

19990126.qrp v01_n348.qrl.990126

Date: Tue, 26 Jan 1999 19:03:11 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1348

QRP-L Digest 1348

Topics covered in this issue include:

- 1) [30886] PSK-31
by "S. M. Whitehouse" <ke4yh@email.msn.com>
- 2) [30887] Re: Ten-Tec Scout
by "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
- 3) [30888] qrp splatter??? for shame!
by hamjoel@juno.com
- 4) [30889] dbm
by ntan <ntan@crosslink.net>
- 5) [30890] Re: swl-40 FS
by James Skalski <jskalski@buffnet.net>
- 6) [30891] Re: [Re: Semi and pseudo-QRP]
by Roy Lincoln <wa4dou@usa.net>
- 7) [30892] Re: Antenna ??'s
by W6RCecila <w6rca@ibm.net>
- 8) [30893] Even more mods for the 38-Special
by "Rob Dey" <rdey@myhost.com>
- 9) [30894] Re Atlanticon
by Mike Czuhajewski <wa8mcq@erols.com>
- 10) [30895] Re: FS on BARK PBBS
by wb2vuo@juno.com
- 11) [30896] SPRAT Reprints
by SKIPNC90@aol.com
- 12) [30897] Re: Semi and pseudo-QRP
by af852@rgfn.epcc.edu
- 13) [30898] Even more mods for the 38-Special
by "Rob Dey" <rdey@myhost.com>
- 14) [30899] Re: Hawaii 15 meters
by Jim <kj5tf@madisoncounty.net>
- 15) [30900] 10 M open
by Arthur Moe <kb7ww@chatusa.com>
- 16) [30901] Columbia Earthquake
by Fred J Kalt <w2xn@juno.com>
- 17) [30902] J-Pole Antenna / PSK31...
by Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>
- 18) [30903] Re: Hawaii 15 meters
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 19) [30904] Demaw Book Redux..A note to Newbies

by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
20) [30905] Re: [NVIS freq/TOD etc.]
by Roy Lincoln <wa4dou@usa.net>
21) [30906] BUBBA '98 Summer QRP Results (Preliminary)
by Joe Gervais <vole@primenet.com>
22) [30907] BUBBA '98 Summer QRP Sprint Results (Preliminary)
by Joe Gervais <vole@primenet.com>
23) [30908] BUBBA '98 Summer QRP Sprint Soapbox
by Joe Gervais <vole@primenet.com>
24) [30909] Re: BUBBA Results
by Joe Gervais <vole@primenet.com>
25) [30910] RE: Re Atlanticon
by "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
26) [30911] Comments on building the MB4 receiver (SPRAT 97)
by "Dennis Payton" <dpayton@fwi.com>
27) [30912] Re: Comments on building the MB4 receiver (SPRAT 97)
by "George Heron" <gheron@nac.net>
28) [30913] FS: Archerotor II
by Neil Klagge <w0yse@juno.com>
29) [30914] Re: 10 M open
by Jeff Johns <jeffj@scott.net>
30) [30915] RE: Oscilloscope Suggestions
by Denton Bramwell W7DB <Denton@Bramwell.Org>
31) [30916] Re: J-Pole Antenna
by Jeff Johns <jeffj@scott.net>
32) [30917] Goodies for sale.
by "Kevin Russell" <kevin.russell@Eng.Sun.COM>
33) [30918] Patrol Car Pix
by John Paul Keon <jpkeon@bellsouth.net>
34) [30919] Re: J-Pole Antenna
by RangerSF5@aol.com
35) [30920] Atlanticon is a great name and
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
36) [30921] Re: Patrol Car Pix
by Jeff Johns <jeffj@scott.net>
37) [30922] Re: Semi and pseudo-QRP
by "Keith Norrell" <knorrell@burgoyne.com>
38) [30923] Re: Re Atlanticon
by HWRM1SS@aol.com
39) [30924] RE: [HomeBrew] Metal Chassis cutting, how do you;
by "Al Gritzmacher" <ae2t@bigfoot.com>
40) [30925] Re: Atlanticon is a great name and
by Jeff Johns <jeffj@scott.net>
41) [30926] RE: [HomeBrew] Metal Chassis cutting, how do you;
by Jeff Johns <jeffj@scott.net>
42) [30927] FS: KD1JV SA/SA Spec analyzer/scope adaptor, \$130
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
43) [30928] The facts please

by Jeff Johns <jeffj@scott.net>
44) [30929]
by Joe Gervais <vole@primenet.com>
45) [30930] FYBO stuff
by "Robert Armstrong" <barmstrong@sisna.com>
46) [30931] Strange water leak
by ka7you@juno.com
47) [30932] Re: The facts please
by ka7you@juno.com
48) [30933] Re: J-Pole "Beam" Antenna
by ka7you@juno.com
49) [30934] J pole/qrp notes
by Dan Presley <talljazz@teleport.com>
50) [30935] Netscape messaging - turning off HTML
by Peter_Simpson@ne.3com.com
51) [30936] New kid on block
by cd25d@clnk.com (Bill Slater)
52) [30937] Re: [HomeBrew] Metal Chassis cutting, how do you;
by "Mike Yetsko" <myetsko@insydesw.com>
53) [30938] Re: New kid on block
by "Steve/n0tu" <n0tu@webaccess.net>
54) [30939] Oh wowzers it shipped happy dance!
by Walt Amos <waltk8cv@surfree.com>
55) [30940] Trade HW-9
by WQ1T@aol.com
56) [30941] QST, FYBO, stuff...
by Chris Cartwright <ccart@dns.vidtel.com>
57) [30942] Good 10 mtr qrp
by "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
58) [30943] WAT are EQUIVALENT
by Dominique.FERRAND@st.com
59) [30944] 40m-novice QRP loaner rig available
by Dave Ek <ekdave@earthlink.net>
60) [30945] MFJ tuner and speaker/mic sold
by "David Maliniak" <dmaliniak@penton.com>
61) [30946] Not QRP - Email Question
by Ron Stark <ku7y@dri.edu>
62) [30947] QRP Kit Discounts for new hams (was: ...loaner rig available)
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
63) [30948] Re: Not QRP - Email Question
by Chris Trask <ctrask@primenet.com>
64) [30949] Re: 40m-novice QRP loaner rig available
by Jeff Johns <jeffj@scott.net>
65) [30950] Re: QRP Kit Discounts for new hams (was: ...loaner rig available)
by Jeff Johns <jeffj@scott.net>
66) [30951] Re: Not QRP - Email Question
by Chris Cartwright <ccart@dns.vidtel.com>
67) [30952] 5 land qsl bureau

by ac5ez@webtv.net (Larry B)

68) [30953] Microwave oven parts
by Vic Rosenthal <rakefet@rakefet.com>

69) [30954] Re: Microwave oven parts
by Chris Cartwright <ccart@dns.vidtel.com>

70) [30955] BADTIMES VIRUS ALERT!
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

71) [30956] Re: Not QRP - Email Question
by Bruce Rattray <rattray@gpfn.sk.ca>

72) [30957] Re: New kid on block, FYBO
by Joe Gervais <vole@primenet.com>

73) [30958] NVIS best band example
by "Larry Cruise" <aa5ta@texasonline.net>

74) [30959] Re: QRP Kit Discounts for new hams (was: ...loaner rig available)
by "Edward A Kwik jr" <eakwikjr@hti.com>

75) [30960] Re: FYBO stuff / Safety
by Joe Gervais <vole@primenet.com>

76) [30961] FOX: W8RU Fox Report for 22 Jan 99
by "Tom Whiteside" <n5tw@igg-tx.net>

77) [30962] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>

78) [30963] Re: BADTIMES VIRUS ALERT!
by "Bryan Turner" <turnerw@email.uah.edu>

79) [30964] RE: BADTIMES VIRUS ALERT!
by "Roger A. McCarty" <rmccarty@earthlink.net>

80) [30965] Re: Not QRP - Email Question
by Chris Trask <ctrask@primenet.com>

81) [30966] loaner rigs: any others available?
by Dave Ek <ekdave@earthlink.net>

82) [30967] Re: QRP Kit Discounts for new hams (was: ...loaner rig available)
by Jeff Johns <jeffj@scott.net>

83) [30968] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>

84) [30969] MANUFACTURER RESPONSE - QRP Kit Discounts for new hams
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>

85) [30970] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>

86) [30971] Re Atlanticon
by Joseph Mikuckis <k3chp@erols.com>

87) [30972] Need money to buy a kit?
by Roger Hightower <n7kt@earthlink.net>

88) [30973] Re: Re Atlanticon
by "Richard Brummer" <obvious@bestweb.net>

89) [30974] Re: Microwave oven parts
by "Steven Weber" <kd1jv@moose.ncia.net>

90) [30975] Schematic needed, Kenwood PS-30
by Michael Neverdosky <MichaelN@cycat.com>

91) [30976] FYBO Prize List

by Joe Gervais <vole@primenet.com>
92) [30977] PSK31 and minimalist desires.
by Ed Loranger <we6w@qsl.net>
93) [30978] Re: J-Pole Antenna
by "Frank West" <ke6vbm@earthlink.net>
94) [30979] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
95) [30980] Re: Need money to buy a kit?
by Jeff Johns <jeffj@scott.net>
96) [30981] Re: Comments on building the MB4 receiver (SPRAT 97)
by "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
97) [30982] Re: Microwave oven parts
by bob evinger <revinger@marshallonline.com>
98) [30983] Re: Microwave oven parts
by John Leveault <jlevro@mediaone.net>
99) [30984] RE: FYBO
by "John Humphrey" <jhumphre@ultra-tech.com>
100) [30985] Re: FYBO
by Roger Hightower <n7kt@earthlink.net>
101) [30986] OK, OK, I give...back to message after message on FYBO
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
102) [30987] Deep discounts/free rigs
by "Steven Weber" <kd1jv@moose.ncia.net>
103) [30988] 5A1A ON 10 MTRS.....GEORGE N2JNZ/QRP
by Lisa Osier <osier@northnet.org>
104) [30989] RE: Oscilloscope Suggestions
by "Brad Hernlem" <alihernlem@hotmail.com>
105) [30990] Wait just a minute (was: OK, OK, I give...)
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
106) [30991] RE: Reversing lead-acid battery sulfation
by Ronald McConnell <rcmcc@lucent.com>
107) [30992] psk31 more or less
by hamjoel@juno.com
108) [30993] Defraying costs of kits, etc.
by David Maliniak <dmaliniak@penton.com>
109) [30994] Re: Re Atlanticon
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
110) [30995] To VE9AA and the owner of the FT-301S who wrote me some time ago...
by "Caitlyn M. Martin" <cait.martin@ibm.net>
111) [30996] Anyone willing to elmer me a bit?
by Jeff Johns <jeffj@scott.net>
112) [30997] VFO taming
by Bigbob97@aol.com
113) [30998] Re: Re Atlanticon
by Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>
114) [30999] re: Homebrew metal cutting
by Ben Pooley <bpooley@bar.auracom.com>
115) [31000] QPSK with PSK31

by John R Kirby <n3aaz-qrp@juno.com>
116) [31001] re: Homebrew metal cutting
by Chris Cartwright <ccart@dns.vidtel.com>
117) [31002] Re: Homebrew metal cutting
by "Mike Yetzsko" <myetsko@insydesw.com>
118) [31003] Re: Need money to buy a kit?
by Ron Stark <ku7y@dri.edu>
119) [31004] Re: Re Atlanticon
by Russ Hines <radioruss@fuse.net>
120) [31005] Cutting holes in metal
by K2UD@aol.com

Date: Mon, 25 Jan 1999 17:48:33 -0500
From: "S. M. Whitehouse" <ke4yh@email.msn.com>
To: "Low Power" <qrp-l@Lehigh.EDU>
Subject: [30886] PSK-31
Message-ID: <000201be48bf\$5ca01120\$f395fcd0@default>

Hi folks,

There is an interesting paper on PSK-31 by Peter Martinez, G3PLX
on NB6Zs web site <www.teleport.com/~nb6z>. Peter is the author of
the PSK-31 software that everyone is using.

I worked Griff (NB6Z) today on 15 meters. With 50-75 watts we were
both about S3. After we both reduced power to 5 watts Griff was in
the noise but by buttoning up the receiver he still printed 100%. (swear
there were times that I couldn't hear him). I was using an OMNI VI, and
can use the CW filters (2nd IF) while still in the SSB mode.
If your xcvr doesn't allow you to use the narrow CW filters in SSB then
use split VFOs and run the receiver in CW mode. The DSP noise
reduction mod (OMNI Plus upgrade) doesn't hurt either. The nature of
PSK demands that you don't overdrive your SSB xmtr. Be careful or
you will be one of those SOB's who are 10Khz wide!!!

PSK-31 appears to be a great weak signal (read that QRP) mode.

Hope to type to you all on 14070/21070.

72

Stew KE4YH
Dunedin, Florida

Date: Tue, 19 Jan 1999 18:15:25 -0600
From: "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
To: dmaliniak@penton.com
Cc: qrp-1@Lehigh.EDU, millermd@nwu.edu
Subject: [30887] Re: Ten-Tec Scout
Message-ID: <199901260016.SAA02718@anima.nums.nwu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Let me tell you, adjusting that pot for the power is a pain in the butt, even though you don't have to open up the radio. I like the Ten Tec Scout I have, but they put that thing in the middle of the bottom surface of the radio. I will be sending in my unit for repair of that pot, as it no longer adjusts for me. The problem is you never quite know how well you've adjusted it (you adjust with a jeweler's screwdriver, then read the power meter from your tuner, and repeat the process, etc) and you have to fiddle with your screwdriver, to make sure it is resting in the slot of the screw, which you cannot see) as well as a meter that doesn't work.

Don't get me wrong -- I like my Scout, I get very good reports during QSOs of its signal quality, and I think its reception is great -- but this is one aspect that leaves a lot to be desired. I don't really think of the Scout as a qrp rig because of the placement and difficulty in reaching the power adjustment.

At 04:27 PM 1/25/99 -0400, you wrote:

>> The Scout puts out 50 watts, and cannot be turned down without opening up the
>> radio. Some QRPers have been known to disconnect the PA, in effect
turning them

>> into a 5 watt rig, like the now discontinued Argo.

>>

>>

>The above was posted earlier by Caity, KU4QD. I'd like to point out that
>the output power of the Scout 555 is in fact adjustable without "opening
>up the radio." The pot for such adjustments is accessible through a hole
>in the bottom of the rig's case. It's not something you'd do during a
>QSO, maybe, but it's not as difficult as opening the case, either. Some
>folks have removed the PA and still others that I've heard of have
>relocated that pot so that it's more accessible.

>

>72, David N2SMH

>Glen Rock, NJ

>

>

>

Michael L. Miller, MD

millerm@nwu.edu

Date: Mon, 25 Jan 1999 19:46:51 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [30888] qrp splatter??? for shame!
Message-ID: <19990125.195323.-211253.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

High gang

I just remembered my neighbor back in louisiana... he ran the legal limit... to a four element cubical quad up 50ft... cw, ssb, sstv

I had a four element quad up 25 ft and the two antennas were about 100ft apart horizontally....

I used an argonaut then and he would operate 20 voice and I would operate 20 cw and I never knew he was there... Now if we got about twenty khz apart on cw then I could hear some clicks.... but still operate with no problem...

Just loved that 509... was... and wac..... at 2 watts output... back in late 70's

I can relate to "off my chest" though... the nurses cut it all off my chest for my last two operations.... made my cajun mama grin...

joel, in maine, spending his two cents...

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or call Juno at (800) 654-JUNO [654-5866]

Date: Sun, 24 Jan 1999 19:55:03 -0500
From: ntan <ntan@crosslink.net>
To: QRP-L <qrp-l@lehigh.EDU>
Subject: [30889] dbm
Message-ID: <36ABC0DE.7AB68888@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello, my last message had a typo---my question should have read

---"other than hearing beautiful cw flowing out of the cans, how do I know the homebrewed dbm is working?"
I did double check the injection voltage and it is a bit low, I think it should be about 2v p-p. Right now its only about .7v p-p. A big difference. Maybe this could be the cause of not hearing that magical sound. I'm going to continue t-shooting the vfo, changing the values of some of the caps to see if I can get the proper voltage to the input of the pd. I'm open to suggestions. Tnx es 72- oh yea, keep it
LOW---Neil WA4CHQrp

Date: Mon, 25 Jan 1999 20:05:24 -0500 (EST)
From: James Skalski <jskalski@buffnet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30890] Re: swl-40 FS
Message-ID: <Pine.LNX.4.03.9901252005040.610-100000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The SWL 40 has been spoke for.

73,

Jim

Date: 25 Jan 99 20:19:56 EST
From: Roy Lincoln <wa4dou@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30891] Re: [Re: Semi and pseudo-QRP]
Message-ID: <19990126011957.14264.qmail@nw173.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I'm not sure who wrote the original questions, that are referenced here with the > symbol. Doc answered them pretty well but i felt a couple of points could use clarification. The very nature of the term QRP denotes a power level and nothing more.PERIOD!

There are probably many here who, like me, owned both homemade equipment and commercial equipment, over the years. As for me, there sometimes came a

feeling

that nothing i was doing proved or meant anything. I sold my equipment several times and started building again. But, there is nothing about building that proves anything either, because its all been done before, by others. I came to realize that the technical side of amateur radio was where the fascination was for me. And cw, propagation, DX, etc. Heck, i'm still fascinated by crystal radios and regenerative receivers. I lost that feeling of "active" involvement and fascination

when i was just "operating" appliances. I'm a radio communications technician and you would think i would have a "belly full" of the technical side of our hobby, in my daily work. I don't because its different. This is radio for the love of it. Thats radio for " a living"! The fact that i like to build stuff is

not germane to QRP! QRP doesn't require that! QRP is about power!QRP isn't about

antennas either. Whether you prefer an omnidirectional antenna, bi-directional or unidirectional, narrow moderate or wide beamwidth, it has nothing to do with

QRP! It is merely the particular slant you or i personally place on the hobby for us, it becomes wound up in our operating style or habits but it is not right

to try to define QRP with any of that! PERIOD! Our common bond is QRP and all the fun we have together operating, chasing awards, contesting, rag chewing, building, comparing notes, observing propagation phenomonon,etc. There are various categories, divisions, sub-divisions of interest here. Then there are those who incorporate other hobbies in with their ham radio, i.e.,backpackers, hikers, campers, boaters, travelers, etc. Its all very interesting and there is

any flavor here for all of us to enjoy and engage in, as we see fit. BUT, no matter your particular persuasion(s), if you're operating with 5 watts out on CW(or 10 watts PEP on SSB), you're a QRP'er when you do so! 73 to all de Roy

WA4DOU-----

>I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and >5W/CW limits. Does this mean a true QRP set has only that power and no more?

yes -- that or less by international deffinition for awards, bragging rights, etc. In the distant past qrp arci defined QRP as 100W or less, creating great confusion. For many many years now we've gone with the 10W/SSB and 5W/CW limits

>I've also seen the opinion that true QRP should be homebrews and kits.

Opinion only (everybody's got one) Another you'll run into is that "Real" qrpers don't use gain antennas. Hogwash again this is a matter of personal opinion and not in the definition of clubs & awards.

>In signal terms, what does one get by turning down a standard 100W
>transceiver to QRP levels?

About an S unit drop in signal strength -- you'll get plenty of S9 or better qsos at the 5w level.

> Does the set draw more
>power than a "true" QRP?
yes (unless you pull the finals) It's obviously not as efficient but many of us use this. I run a ten tec omni V at 5w or less (it can crank down to just under 1W) most of the time plus have MFJ 20 meter and a homebrew 40 mtr rig for travel. Antennas vary from a random wire to a triband beam up about 33'. I've worked was, wac, dxcc etc and won awards in the qrp division of a number of national contests with this setup (or worse ;-)

The main point is to run 5 watts or less and have fun. This reduces qrm, tvi, drains on bank accounts, etc -- and maximizes fun experimenting with rigs, antennas, new modes,... you name it ;-)

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Mon, 25 Jan 1999 18:26:07 -0700
From: W6RCecila <w6rca@ibm.net>
To: qrp-l@lehigh.edu
Subject: [30892] Re: Antenna ??'s
Message-ID: <36AD19AF.22CF@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Date: Sun, 24 Jan 1999 20:54:41 -0400
>From: Dave Marling <dbm@klis.com>
>Subject: [30766] Re: Antenna ??'s

>
>> antenna wire. Using a high-voltage insulated wire solved my extreme
>> static electricity problem which caused arcing inside my transceiver.
>
>Here in the north country (Canada), precipitation in the form of snow
>will cause static build-up on a dipole to the point where I have seen
>arcing across the station end of the braid and center connector of RG58.

Funny, I never had that problem in Phoenix. :-)

Another way to stop this from happening is with a 4:1
voltage balun which many people already use. It has a
DC short across the elements.

--

73, Cecil, W6RCA <http://www.bigfoot.com/~w6rca>

Date: Mon, 25 Jan 1999 20:21:32 -0500
From: "Rob Dey" <rdey@myhost.com>
To: <qrp-1@Lehigh.EDU>
Cc: <wb1cdh@mci2000.com>, <kresl@elknet.net>, <franco@bnl.gov>,
<leinwebe@mcmail.cis.McMaster.CA>, <rob3ert@vegas.infi.net>
Subject: [30893] Even more mods for the 38-Special
Message-ID: <199901260133.UAA19466@mail.myhost.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Even more mods for the 38-Special

1/25/99

Rob L. Dey, KA2BEO

Sorry, but nothing earth-shattering here folks!

1. AUDIO PROTECTION/SPEAKER (if desired) - Use a 1/8" (3.5mm) stereo phone jack for the headphones, short R24, add a 12-ohm resistor on the left and right connections of the earphone jack, solder the other ends of the two resistors together, and connect this point to hole 19 on the PC board. Tie the two switch connections on the jack together, and connect this point to a speaker. Try speakers of various impedances (8, 16, 32, 45, 1k, 3.5k-ohms) for best results. Connect the other side of the speaker to the ground connection on the jack. The two resistors provide protection for the audio amplifier when a mono earphone is plugged into the stereo jack. This radio is not meant to drive a speaker, so only strong signals will be

heard. The speaker is not very useful. I included the connection information for experimenting.

2. TWO SIDETONES - I chose to keep all of the components installed for the straight key sidetone, even though I installed the TiCK keyer circuit as well. The keyer paddle input jack is on the front panel, and the straight key input jack is on the rear panel. Both inputs have their own sidetones. Use two 0.1uF capacitors to provide (OR-tied) isolation. Connect one cap between the TiCK keyer chip pin 3 and the U4 side of R17. I used 560k-ohms for R17. Connect one side of the other cap to the junction of U4 pin 3 and C31. Connect the other side of this cap to the U4 side of R17. Make a cut in the copper between the leads of each capacitor to allow the capacitor to be in the circuit. Without these two cuts, the caps will be shorted.

3. TWIN-PEAKING TC1 - The secondary inductance of T1 is too large if wound to the instructions properly. I measured 1.68uH on the secondary, which will not resonate with C3 and TC1 (155pF to 210pF) at 10.1 MHz. To correct this, some people take off a few turns of the T1 secondary winding, which is a pain once it is installed already, and changes the turns ratio of the transformer. I chose to simply change C3 from 150pF to 47pF as calculated based on the measurement of T1. However, 100pF proved to work better. Now, two different points in one full rotation of TC1 will provide signal peaking.

4. INPUT POWER PROTECTION - The RF Amplifier transistor, Q2, IRF510 can handle 100V and the Voltage Regulator IC, VR1, 78M08 handles between 10V and 35V. Add a 2A, 250V fast-blow fuse in series between the power switch and the power input connector on the red (+) lead. This connector should be bypassed with a 0.1uF capacitor also. Next, place a 100V, 2A rectifier diode (or better) across the 12-volts at the power switch with the cathode-end on the red (+) lead. This provides reverse-voltage, reverse-current, and over-current protection on the 12Vdc input. To include some over-voltage (surge) protection as well, use a PTC resettable fuse (Raychem #RXE135 or Littelfuse #60R135) instead of the fast-blow fuse, and use a 25V(25.6V), 5W zener diode TVS (1N6282A) instead of the rectifier diode. Actually, I used two (Raychem #RXE075) PTCs in parallel, because I didn't have any of the 1.35A ones. The 1.35A is the current-holding value. This (automatically) resettable fuse doesn't trip until about 2A or more are drawn. The zener diode can withstand up to 1500W for very short periods (1ms), and up to 100A. More than 5W continuous (at input voltages greater than 30Vdc) may cause the device to fail (in a shorted condition), yet the rig will remain protected. However, this should not be a problem, since your car should never provide 30Vdc (or more) continuously.

5. POWER-ON DIAL LIGHT - Use a 2.2k-ohm 1/4W 5% resistor in series with a Green LED to indicate that the power is turned on. Connect the anode (+) side of the circuit to the secondary side of the power switch (12Vdc) with the resistor in series, and the cathode (-) side to ground. Position the

LED beneath the dial skirt on the tuning knob to illuminate the tuning calibration marks, assuming the skirt is translucent, or clear. I used a natural (white) nylon washer as a skirt for the tuning knob, and calibrated it with a laser print out on a transparency cut to size. I achieved about 1kHz accuracy using a linear 100k-ohm potentiometer and the markings in the following table. Each number represents 5kHz. My VXO tunes from 10.100 to 10.117MHz. I can e-mail the graphic file KNOB38S2.BMP for you to print out and make your own tuning dial. Send requests to rdey@myhost.com. The 270-degree position is not labeled on mine, but you can use 4 to represent 20kHz if your VXO tunes higher. Also, 5 can indicate 25kHz.

Rotation Angle (in degrees)	Dial Marking (x 5 kHz)	10.1xx MHz
0	0	00
27	1	05
68	2	10
202	3	15
270	-	--

6. CHANGE R202 - Change R202 from 10k to 4.7k as recommended by the Tick keyer manufacturer.

BAND CHANGES

The 40m values are from Marty Himes, WB8FNH.
The 30m values are what I used, Rob L. Dey, KA2BE0.

Part	40m	30m	Units	
C3	250	150(100)	pf	
C22	150	100	pf	
C26	330	330	pf	
C28	1200	820	pf	
C29	820	560	pf	
C501/C505	330	330	pf	
D3	1N4004	1N4004		Device
L1	6.4(40T)	6.8(RFC)	uH	
L2	2.6(25T)	1.8(20T)	uH	
L3	0.37(10T)	0.38?(8T)	uH	
L4	0.83(14T)	0.75?(12T)	uH	
L101	4.16(32T)	2.9(27T)	uH	
T1	2:22(1.8uH)	2:19(1.68uH?)	Turns	
X1	16.257	22.1184	MHz	
X2, X3	9.216	12.0000	MHz	

I hope that (at least some of) this information has helped.

Date: Mon, 25 Jan 1999 20:36:14 -0500
From: Mike Czuhajewski <wa8mcq@erols.com>
To: George Heron <n2apb@amsat.org>
Cc: QRP forum <qrp-l@lehigh.edu>
Subject: [30894] Re Atlanticon
Message-ID: <36AD1C0E.636E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ah, a mini-scandal brewing :-)) I quote from your latest posting to qrp-l:

- Sunday: Timonium Hamfest, directly across the street at the fairgrounds

No mention that the hamfest is also running full bore on Saturday :-)) Holy conflict of interest, Batman! Don't wanna lose any Atlanticon audience members, huh? :-)) That's the bad part about doing this at a two day hamfest/convention, having to miss some of the hamfest. And having been in this area since 1985, there's one thing that has NEVER been settled, and never will, ie, which day is best to go if you're only doing one day. Sometimes it's Sat, sometimes Sun, never the same. And, of course, not all vendors appear on both days, either. Lotsa QRP goodies will be already sold by Sunday! Slim pickin's! Guess the next logical and sensible step will be Three Days in Timonium, AKA "TDIT". Remember folks, you heard it here first! I get royalties if you use the name :-))

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Mon, 25 Jan 1999 20:45:03 EST
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [30895] Re: FS on BARK PBBS
Message-ID: <19990126.014349.5151.1.wb2vuo@juno.com>

Scott, KB2GWF tells me that the Scout he listed has been sold.

Everything else on the list is still available.

72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp.
Trustee, B/BAMS club station and the NQ2RP/B 10 Mtr QRPP beacon
"My night light runs more power than my Rig!!!"

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 25 Jan 1999 20:59:00 EST
From: SKIPNC90@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30896] SPRAT Reprints
Message-ID: <c9a03a17.36ad2164@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

If you had ordered SPRAT reprints
Volume 2 and found that in SPRAT 23
pages 9 and 12 were blank I have copies
of these pages. Anyone interested is getting
copies of these two page let me know
and I will get copies to you.

73, Skip Davis NC90
skipnc90@aol.com

Date: Mon, 25 Jan 1999 19:09:59 -0800
From: af852@rgfn.epcc.edu
To: qrp-1@lehigh.edu
Subject: [30897] Re: Semi and pseudo-QRP
Message-ID: <36AD3207.1688@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just reading what I had sent or tried to send earlier today. Looks

as the quirky editor liked it so much it repeated the info. sorry
for the mish-mash response. Hope the point got across, tho.

--

Ray Colbert,
(also w5xe@juno.com)
El Paso, Texas (Far West Texas)

Date: Mon, 25 Jan 1999 21:09:50 -0500
From: "Rob Dey" <rdey@myhost.com>
To: <qrp-1@Lehigh.EDU>
Cc: <wb1cdh@mci2000.com>, <kresl@elknet.net>, <franco@bnl.gov>,
<leinwebe@mcmill.cis.McMaster.CA>, <rob3ert@vegas.infi.net>
Subject: [30898] Even more mods for the 38-Special
Message-ID: <199901260208.VAA20711@mail.myhost.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry, I forgot my signature on the bottom of the 38S Mods.

72/73,

Rob L. Dey, KA2BEO
E-mail: rdey@myhost.com
Rob's Ham Shack
<http://www.myhost.com/rdey>
Point Pleasant, NJ, USA
Member: ARRL, 10-X #65539, NorCal #2249, QRP-L #1807, NJ-QRP #176, JSARS,
AWA

Date: Mon, 25 Jan 1999 20:13:11 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-1@Lehigh.EDU
Subject: [30899] Re: Hawaii 15 meters
Message-ID: <36AD24B7.40D9@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Just worked Hawaii on 21.058 on 1/2 Watt using Heathkit HW-8.

>Station worked KH6AFS got a 529 report gave him the same.

>Bands are opening!

>73

>Larry H. Lyda

>WA4PJP

>Spring City, TN

Your right Larry - and FB on wrking Sam with 500mW! I got him twice last week with 40mW one day and 50mW another day. Now every time I call him we try to go lower! He's getting a great work-out!

What a blast!

I'm hearing QRP stns on 21.060/28.060 almost every day! And not just USA hams - I'm hearing Europe QRP'ers too.
Friday I wrked DJ4GJ on 10M with 35mW - today I wrked C08ZZ with 50mW, I love it!

Check the high bands - often! Jim KJ5TF AR QRP #2

Date: Mon, 25 Jan 1999 18:11:29 -0800
From: Arthur Moe <kb7ww@chatusa.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [30900] 10 M open
Message-ID: <36AD2451.BE1A5FEC@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Got home a bit early today and had a chance to check out 10m. Found AX4XA (VE4XA) and HC5AI both easy with 5 watts and a R7 others herd but not worked. Only station herd on .060 was KJ5TF calling CQ DX. Called a few CQ on .060 but no takers.

Anybody out there on 10M?

Art
KB7WW

Date: Mon, 25 Jan 1999 21:25:25 -0500
From: Fred J Kalt <w2xn@juno.com>
To: qrp-l@lehigh.edu
Subject: [30901] Columbia Earthquake
Message-ID: <19990125.212525.-660363.5.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone hear any of the nets or traffic for the 5.9 earthquake in Columbia today at about 1:30 PM ?

Amateur activities are taking place on 14.347 MHz and locally on 7.085 and 7.090 MHz

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP
#233 QRP-L #1728
My Web Page:
<http://www.geocities.com/ResearchTriangle/Thinktank/5344/>

Date: Mon, 25 Jan 1999 17:31:08 -0900
From: Bruce Hopkins - KL7H <k17h@eagle.ptialaska.net>
To: qrp-l@lehigh.edu
Subject: [30902] J-Pole Antenna / PSK31...
Message-ID: <v03007800b2d2d2eca62c@[208.151.118.50]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang...

The posts over the last day on J-Pole antennas have been interesting... I have been considering a J-Pole for the Alaska QRP 10 meter beacon for some time just haven't seen much hard data on that low of a band... Well today while browsing the magazine rack at the super market, I found a good article in CQ about J-Poles at 6 Meters and a reference to 10 Meters... I did a web search when I got home and low and behold, found the same article on the web... His diagram #2 gives scaling data to make one for any frequency... I have sent a post off to him to see if there are any scaling issues at 10 meters and will report any info he might give in reply... Here is the URL to that article...

<http://www.qsl.net/k4abt/jpole2.htm>

Finally heard some PSK31 signals on 20 meters this afternoon so fired up the laptop and had good copy... It looks like it will be an interesting digital mode... If it truly only uses 31 Hz it is the type of step forward we will need as we grow in numbers... I would point out that I downloaded my PSK31 (G3PLX version) only a few weeks ago and noticed that my "About Information" showed version 1.01... I looked at the PSK31 web page last night and found reference to version 1.03 with several improvements... I downloaded it and it is indeed a new version... So if your copy is more than a few weeks old, make sure that you have 1.03 and not 1.01... For compatibility purposes, I am using a Toshiba Satellite 2505CDS Pentium @ 166 Mhz and Windoze 98, seems to at least receive fine using a setting of 11025 Hz... Hope to get the beacon project wrapped up this week and then get a cable built to start playing with the PSK31 in transmit mode...

Take care and have fun...

72 / 73 / oo's - Bruce - KL7H
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>
- 10 Meter Beacon: 28.2825 +/- KL7AQC / BCN

Date: Mon, 25 Jan 1999 21:41:31 -0500
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30903] Re: Hawaii 15 meters
Message-ID: <199901260241.VAA22222@pimout2-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim and Larry,

Pls let me know what times UTC and freq range that you've heard KH6AFS.
Hawaii aludes me for WAS/QRP CW! My 40M bent-leg dipoles seems to work pretty well on 15M.

Thanks for help.

72 Kevin N2T0

Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 25 Jan 1999 21:56:28 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>, NJQRP Club <njqrp@njqrp.org>
Subject: [30904] Demaw Book Redux..A note to Newbies
Message-ID: <36AD2EDC.280414D3@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

About a week or so ago I asked the group for clarification about the various editions of the W1FB's QRP Notebook. In the course of this time, several folks who were new to QRP posted "help me" messages on the list. Well since that time I have come into possession of the newest 1991 edition of this book. It was one of the most enjoyable and informative radio books I have had the pleasure of reading. I don't say this lightly because I get to read a lot of radio books for review in the various magazines I write for. You folks who are new to QRP (as well as most everyone else in this facet of the hobby) will be hard pressed to find more basic technical information crammed into 174 pages for a mere \$10. I just finished going over this book cover to cover and now I've started all over again, this time making copious notes in the margins and a list of parts to buy to build some of the excellent circuits the book includes. This book is a real testament to Doug's long stated desire to get us all melting solder and actually understanding what goes on inside all those little do-dads that make up radio.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: 25 Jan 99 21:58:42 EST
From: Roy Lincoln <wa4dou@usa.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [30905] Re: [NVIS freq/TOD etc.]
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Jim,

If i remember correctly, the site discussed frequencies up to 9 or 10 mhz. or so. That would suggest that 40 and 30 meters are also prime for experimentation in this regard. However they might be limited by daily monthly, seasonal, changes, even relating to solar flux levels. W7LS was probably offering advice on bands that were most reliable on average for the technique. Remember that the military has access to many more areas of the spectrum than we do. You ask some good questions. I'm looking forward to playing with this mode when i get some antennas back up. 73 Roy
WA4DOU-----

The recent discussion of NVIS has sparked some thinking on my part, and now I have some questions.

The only sources of information about NVIS that I've found on the web were all military web pages, similar to this one:

<http://www.gordon.army.mil/acd/tcs/hf/2418xtr2.htm>

It introduces the subject pretty well, but it leaves a lot of questions unanswered. And then there's a book that can be ordered, from:

<http://www.wr6wr.com/Books/NVIS.html>

Could folks who've read that book, review it for the rest of us? How complete is the information in it? Would it help answer questions like the ones I pose below? Does it cover mostly antennas, or is it a more well-rounded treatment of the NVIS topic?

Are there any other web pages that anyone knows of that go into NVIS in more depth than the one I mentioned above?

Some things I'm wondering:

--Some of the people who've described their NVIS experiments here have talked about antennas that are very, very low--only a few feet above ground. The web page I referenced above said antennas should be from .1 to .25 wavelengths above ground (for a dipole). Should that actually be 0 to .25 wavelengths?

--What is known about what frequencies will work for NVIS at which times? Are there some simple heuristics which will guide frequency/time decisions? Alternatively, is there software which forecasts NVIS propagation?

--Jim, W7LS, in describing his NVIS experiments with Alan, KB7MBI, indicated that 80M is the right daytime band, and 160M is the right nighttime band. This puts both of these slightly below the frequency boundaries for day and night given on the web page I reference above. I gather this means the web page is wrong?

--How wide is the NVIS window at any given time? Is it wide enough that there's always one ham band or another which will work for NVIS, or must one select one's operating times to coincide with an NVIS window's appearance in a ham band?

This NVIS stuff re-kindles the dilemma I had when I was a kid, back before I got my ham license, and saved my financial scraps for a pair of good 100 mw CB handhelds. It definitely works (only now, for distances at least 100 times further than the walkie-talkies were good for), but you really need someone within that distance to play with, to be reasonably sure of getting to play on any given day! Well, actually, it's easy enough to make contacts at night, but 40M in the middle of the day can get kind of sparsely populated. (Perhaps we need an NVIS calling frequency, or something!)

Thanks in advance for any information or references!

73,
Jim WB5UDE

Get free e-mail and a permanent address at <http://www.netaddress.com/?N=1>

Date: Mon, 25 Jan 1999 19:59:31 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [30906] BUBBA '98 Summer QRP Results (Preliminary)
Message-ID: <199901260259.TAA08344@usr02.primenet.com>

Howdy Folks,

Floods, locust plagues, the AZ Cardinals making it to the

playoffs, Phoenix freezing over - all things that you expected to happen before ever seeing the BUBBA '98 results. Well, two outta four ain't bad, so it was time. ;-)

Here are the preliminary results of the BUBBA '98 Summer QRP Sprint, sponsored by the AZ ScQRPions. For the longest time it looked as if VA Dan (N4ROA) had it wrapped up, until I managed to de-MIME and decode FL Bob (N4BP)'s spreadsheet. YOWZA! Man, don't ever mess with a boy from 'Gator Country when a heat index is involved!!! :-)

Please let me know if you're not listed. I'll give it a few days before I produce the "Forever Final" version of the results. Many thanks to all of you who took time to get on the air and have some fun with the rest of us! Soapbox Comments will be posted immediately following.

Maybe some of the temps/comments will help you folks in the Frozen North thaw out a bit. :) Hang in there, Spring is just around the corner!

CALLSIGN	QTH	Temp/H.I.	Score	Power
-----	---	-----	-----	-----
N4BP	FL	130 HI	2,323,200	950mW
N4ROA	VA	93 HI	691,088	5W
N5TW (Multi)	TX	98 HI	613,680	950mW
N2TO	NY	88 HI	191,600	5W
NQ7RP	AZ	75 F	186,750	5W
NQ7X	AZ	88 F	162,000	5W
WB0WQS	MO	97 HI	125,536	5W
WA8GHZ/5	TX	104 HI	108,800	5W
N2CQ/3	MD	90 HI	89,100	5W
N7CEE	AZ	75 HI	84,000	2W
WA8RXI	MI	82 F	49,360	4W
HP1AC	Panama	85 F	46,125	5W
KI7MN	AZ	80 F	42,560	5W
WB3GCK	PA	93 HI	41,664	950mW
WE6W	CA	77 F	40,030	5W
VE2KN	QB	74 F	38,648	2W
N2CX	NJ	88 F	33,176	2W
AB0GO	CO	70 F	31,840	5W
WA1QVM	MA	84 HI	29,992	5W
KB0PTE	MO	75 F	28,975	5W
KQ0I	CO	77 F	28,480	5W
WV3J	VA	94 F	24,476	5W

Date: Mon, 25 Jan 1999 20:01:12 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [30907] BUBBA '98 Summer QRP Sprint Results (Preliminary)
Message-ID: <199901260301.UAA22491@usr07.primenet.com>

Howdy Folks,

Floods, locust plagues, the AZ Cardinals making it to the playoffs, Phoenix freezing over - all things that you expected to happen before ever seeing the BUBBA '98 results. Well, two outta four ain't bad, so it was time. ;-)

Here are the preliminary results of the BUBBA '98 Summer QRP Sprint, sponsored by the AZ ScQRPions. For the longest time it looked as if VA Dan (N4ROA) had it wrapped up, until I managed to de-MIME and decode FL Bob (N4BP)'s spreadsheet. YOWZA! Man, don't ever mess with a boy from 'Gator Country when a heat index is involved!!! :-)

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N2TO	NY	88 HI	191,600	5W
NQ7RP	AZ	75 F	186,750	5W
NQ7X	AZ	88 F	162,000	5W
WB0WQS	MO	97 HI	125,536	5W
WA8GHZ/5	TX	104 HI	108,800	5W
N2CQ/3	MD	90 HI	89,100	5W
N7CEE	AZ	75 HI	84,000	2W
WA8RXI	MI	82 F	49,360	4W
HP1AC	Panama	85 F	46,125	5W
KI7MN	AZ	80 F	42,560	5W

WB3GCK	PA	93 HI	41,664	950mW
WE6W	CA	77 F	40,030	5W
VE2KN	QB	74 F	38,648	2W
N2CX	NJ	88 F	33,176	2W
AB0GO	CO	70 F	31,840	5W
WA1QVM	MA	84 HI	29,992	5W
KB0PTE	MO	75 F	28,975	5W
KQ0I	CO	77 F	28,480	5W
WV3J	VA	94 F	24,476	5W
AA0XJ	IA	80 F	20,364	4W
N0QT	CO	91 F	18,918	4W
K2EL	NY	90 F	16,380	5W
VE6EWM	AB	72 F	16,048	3W
KW3U	MD	88 HI	15,488	4W
W5TB	TX	75 F	13,675	5W
AB7TT	AZ	108 HI	13,456	5W
K50I	NM	93 HI	13,392	5W
K07X	UT	81 F	11,536	5W
N0UR	MN	75 F	11,350	5W
AL7FS	AK	66 F	10,228	5W
KS4L	AL	94 HI	9,024	5W
KI0KY	CO	78 F	6,864	5W
N4EDE	VA	85 F	5,610	5W
N3XRV/M	MD	100 HI	3,200	5W
WA5WHN	NM	82 HI	2,952	900mW
AB7OA	AZ	105 HI	2,520	5W
AF9J	WI	75 F	48	700mW

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 25 Jan 1999 20:03:07 -0700 (MST)
 From: Joe Gervais <vole@primenet.com>
 To: qrp-l@Lehigh.EDU
 Subject: [30908] BUBBA '98 Summer QRP Sprint Soapbox
 Message-ID: <199901260303.UAA22639@usr07.primenet.com>

Howdy again,

Behold the mighty BUBBA Soapbox. :-)

BUBBA '98 SOAPBOX

"...Really enjoyed the BUBBA, great ops, courteous ... heard several people explaining the contest to casual ops and then letting the new op have the freq to give out a few!" - James, AA0XJ

"Gorgeous day in the park. Everything went as planned, except band condx were not the best. Had to work for all QSO's on 40m, more QRN than usual. Great to see 15m open, just wish more ops had worked 15m." - Kevin, N2T0

"Wimpy wx (75F, 40% humidity). Still, had fun!" - Eric, AF9J

"Only heard guys with good antennas on 20m. Poor local QRN on and off." - Ken, N2CQ

"Here is the Bubba Sprint 1998 results for N5TW. We used this great event of yours to have fun and generate interest in CW/QRP primarily just as we did under the AF5Z call in the FYBO test last winter. [...] The stations were set up around my swimming pool and we actually operated the 40m station from the swimming pool." - Tom, N5TW (Ed. Note: Wow! Promo points PLUS 100% humidity! :-)

"Had a lot of fun mixing some antenna experimentation with the contest operating. Fair amount of activity on 40m but ... not much on 20m." - Craig, WB3GCK

"Thanks to all you hams putting on the BUBBA event. It sure was a lot of fun. This is the second QRP event in a row I have taken along potential hams to see first hand how we operate and how much fun it is." - Dan, N4ROA (Ed. Note: Bonus Elmer points for Dan! :-)

"Tnx fer fun test, sri i didn't have more time. :-)" - Doc, W5TB

"These QRP contest are a blast. Sure is fun working guys out in the field. Hopefully I'll get out for the next one! - Ed, WE6W

"About 3:05 wondered why the activity suddnly dropped off til I checked the rules :-(geeeeesh, it's over...so much fun-so little time. Bands generally poor but got NQ7RP, ... , AL7FS, HP1AC, N4BP and AC5K on 2 bands (20&15). Hope everyones bxxxxs are cooled down and anticipating FYBO. Thanks to all involved." - Floyd, NQ7X

"We had wind, rain, hail, and lightning, and watched the temperature drop from 75 to 61 in about 10 minutes. Kind of fun to QSO someone

who'd just gotten 100+ from another Arizona station!" - Bruce, N7CEE

"Tnx for a fun contest!" - Dave, AB0GO

"The band seemed to be down with lots of QSB but this is my first Sprint with the SLV so it could be that I don't have the vertical optimized yet. The idea of using that pole for an antenna is the coolest! Thank you for another great Sprint!" - Kelly, WB0WQS

"Thanks to all the organizers and fellow players." - Paul, WV3J

"Tried to beat my indoor temp of 92 from last year, came close.... course, I decided to make pot roast for dinner. Figured at 550 degrees, 4 hours would be just about the right cooking time..."
- Jan, N0QT (Ed. Note - Gotta add that BBQ Multi next year. :-)

"Ran the OHR spirit 20m rig to magmount 20m hustler on top of toyota truck at the matamoras park. putting out 4watts per the WM-1 wattmeter, had a ball in nice 85 degree wx. 72 es tnx to all." - Jim, KW3U

"Here's my pitiful BUBBA score. 20 meters proved very disappointing. Signals were few and far between and lots of QSB. Intermittent electrical noise added to the woes. At least I did better than in the fox hunt!" -Joe, N2CX

"I really enjoyed this contest. The highlights were working W0RSP, AL7FS and N2T0. I only heard the NQ7RP call once. I could not tell if Brian was sending it. This was a great learning experience."
- Steve, KI0KY

"20 meter operation only, elevated 1/4wave vertical, 5 watt NW8020. Lots of power line interference, so could only copy LOUD signals."
- Kent, AB7OA

"ARGH! Got trapped at work (on a Sunday no less!) and barely managed to get home in time for the last 15 minutes of the BUBBA Sprint! I say again, ARGH! Fun though. Many thanks to everyone who sweated it out and made it fun!" - Joe, AB7TT

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 25 Jan 1999 20:11:46 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [30909] Re: BUBBA Results
Message-ID: <199901260311.UAA23069@usr07.primenet.com>

Hi again Folks,

Sorry about that first "half-log" that snuck in. I wasn't even aware I'd sent it - was partway through mailing it when my ISP connection went belly up. Nothing worse than watching your modem retrain itself to death....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 25 Jan 1999 21:25:28 -0500
From: "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
To: "'wa8mcq@erols.com'" <wa8mcq@erols.com>
Cc: "'qrp-1'" <qrp-1@lehigh.EDU>
Subject: [30910] RE: Re Atlanticon
Message-ID: <01BE48AF.F2477AC0@s>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Timonium, Bahhhh Humbug!

Here we have our first big chance to attend a REAL qrp convention and = some folks are worried about missing a hamfest which, I might add is = getting to look more and more like a computer show each year. Hey, I = wasn't really planning on going to Timonium but as soon as I heard about = Atlanticon, I wanted in. For a couple years I've admired Pacificon but = going from PA to CA was just a bit much. Now the east has the = opportunity of a lifetime. The speakers that are lined up are top-notch, = there are also gonna be a whole bunch of qrp folks gathered to ragchew = eyeball. If I wanna get a good buy on qrp gear, chances are the group = gathered for Atlanticon will steer me in the right direction and, to a = reliable source. Rather buy from them - than out of the back of a =

strange station wagon filled with linear amps and hard drives. If you =
wanna fb hamfest then go to it. It's all a matter of values, ya know.

CU at Atlanticon! 72 de n3ysi, Paul in Quakertown, PA

From: Mike Czuhajewski[SMTP:wa8mcq@erols.com]
Sent: Monday, January 25, 1999 8:36 PM
To: Low Power Amateur Radio Discussion
Subject: Re Atlanticon

Ah, a mini-scandal brewing :-)) I quote from your latest posting to=20
qrp-l:

- Sunday: Timonium Hamfest, directly across the street at the=20
fairgrounds

No mention that the hamfest is also running full bore on Saturday :-)=20
Holy conflict of interest, Batman! Don't wanna lose any Atlanticon=20
audience members, huh? :-)) That's the bad part about doing this at a=20
two day hamfest/convention, having to miss some of the hamfest. And=20
having been in this area since 1985, there's one thing that has NEVER=20
been settled, and never will, ie, which day is best to go if you're only =

doing one day. Sometimes it's Sat, sometimes Sun, never the same. And,=20
of course, not all vendors appear on both days, either. Lotsa QRP=20
goodies will be already sold by Sunday! Slim pickin's! Guess the next=20
logical and sensible step will be Three Days in Timonium, AKA "TDIT". =20
Remember folks, you heard it here first! I get royalties if you use the =
name :-))

--=20
73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Mon, 25 Jan 1999 22:45:58 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-l@lehigh.edu>
Subject: [30911] Comments on building the MB4 receiver (SPRAT 97)
Message-ID: <00a301be48de\$63a74a00\$8ab054d1@Pdpayton>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I built G0KJK's MB4 receiver over the weekend. It's a fun little project and performs as claimed. Here are a few discrepancies I found in the article, though.

1. The .001 & antenna in the diagram connect to pin 2 instead of pin 1.
2. The 100K from Q3's base to Q4's emitter was omitted in the diagram.
3. The 15K at Q1 is too small and probably was supposed to be a 150K.
4. The regen. coil leads should be reversed from what is shown (out of phase).

Would someone enlighten me as to what tag-strip is? What I did here was build on the back of a large socket which works fine. I cut a piece of PC board material about 1/4" larger on all sides than the socket or piece of socket that I'm using, then center the socket upside down on it with two thin strips of picture mounting tape. If I'm looking for small size, I use each pin. Otherwise I cut off every other pin. The PC board mat'l serves as the ground plane.

Denny Payton, N9JXY
Auburn, IN

Date: Mon, 25 Jan 1999 22:59:05 -0500
From: "George Heron" <gheron@nac.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [30912] Re: Comments on building the MB4 receiver (SPRAT 97)
Message-ID: <009a01be48e0\$3b93aac0\$be327bd1@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

At least one form of a tag strip is a what we in the US call terminal strips. Actually looks like a dual-sided terminal strip. Real useful for prototyping/homebrewing parts together. Dick Pascoe, G0BPS described this construction method at FDIM QRP Symposium last year and his paper was published in the Proceedings from that event. You'll get another shot at seeing Dick's super article called "Alternatives to the 'Ever so Umble' PCB" in the forthcoming QRP Quarterly, hitting the streets this week.

-- George Heron, N2APB
n2apb@amsat.org in Sparta, NJ

>Would someone enlighten me as to what tag-strip is?

Date: Mon, 25 Jan 1999 20:59:11 -0700
From: Neil Klagge <w0yse@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [30913] FS: Archerotor II
Message-ID: <19990125.205928.-224879.3.w0yse@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I have an old model 15-1223 ArcherRotor for sale. It needs an adjustment as it presently rotates all but 30 degrees. Included are the operating instructions and more than 75 feet of 4 conductor cable. I would like \$20 plus shipping for it. Please email me direct if you are interested.

72 , Neil, w0yse since '54 a QRP-L digest reader
Now using only solar power for QRP <><

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 25 Jan 1999 22:20:44 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [30914] Re: 10 M open
Message-ID: <199901260420.WAA12851x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 25 Jan 1999 18:11:29 -0800, Arthur Moe <kb7ww@chatusa.com> wrote:

> others herd but not worked. Only station herd on .060 was

I realize that 28.060 is the 'official' qrp calling frequency, but do any of you guys ever call cq qrp on any frequency inside the Novice/Tech+ portion of the band..... I'm practicing real hard so I can get my General so I can use the 'official' frequency <grin>.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 25 Jan 1999 21:36:42 -0700
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [30915] RE: Oscilloscope Suggestions
Message-ID: <5103124387F8D11199DD00A0C925E4B9062966@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>>I am considering purchasing an used oscilloscope for general alignment and trouble-shooting. Are there any suggestions for minimum specifications and features that I should look for?<<

There are some amazingly good deals on oscilloscopes these days. You can get Tek or HP stuff at very attractive prices.

Get something with about 3-5X the highest frequency you plan to make measurements at. Without this, you'll miss most of the "show"... on a 100 MHz 'scope, a 100 MHz signal with lots of clipping and distortion will come out smooth and nice.

Get one or more 10X probes. These are necessary for preserving bandwidth to the probe tip.

Dual trace is extremely useful. Delayed sweep is also, if you know how to use it.... a lot of people buy it because it sounds good, and then never use it.

Dollar for dollar, a portable style 'scope will give you more performance than a plug in style. When I worked at Tek, we figured that about 85% of all plug-in scopes sold never had their plug-ins changed. However, if you know the value of a good diff amp, or sampling system, a plug-in scope is the way to go.

I've never been too big on storage, but a lot of people like it. If you're doing any "single shot" work, it is very nice. If you're doing all RF stuff, forget it.

There are a lot of good values in Nuts and Volts, and I've gotten good deals from Coppes Electronics, in Bisbee, AZ.

Date: Mon, 25 Jan 1999 22:42:29 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30916] Re: J-Pole Antenna
Message-ID: <199901260442.WAA16881x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Well... I'll throw in my 2 cents about J-poles. My homebrew copper pipe j pole outperforms anything commercial that I ever bought for 2 meter use and besides when the copper is exposed to the outside elements for about six months, it develops a lovely green patina <grin>.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 25 Jan 1999 20:41:18 -0800
From: "Kevin Russell" <kevin.russell@Eng.Sun.COM>
To: <qrp-1@lehigh.edu>
Subject: [30917] Goodies for sale.
Message-ID: <000d01be48e6\$1d6ccc60\$efad9081@krlap.eng.sun.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

I have a list of items including:

ICOM IC-T22A 2M Handheld
Wilderness SST40M Novice QRP Transciever
Heathkit HR-1680 Receiver
Parallax PIC Emulator
PalmPilot 1000 w/professional upgrade
Iomega ZIP Drive w/disks
Gateway 15" Monitor

all for sale. Get complete info at <http://z4.net/sale.html>.

Proceeds will be used to purchase a Wilderness Radio Sierra. :-)

Thanks,

Kevin, N7QKU

Date: Mon, 25 Jan 1999 23:46:34 +0000
From: John Paul Keon <jpkeon@bellsouth.net>
To: "klqrp@waterw.com" <klqrp@waterw.com>, njqrp <njqrp@njqrp.org>, LI QRP Club
Server <liqrp@waterw.com>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [30918] Patrol Car Pix
Message-ID: <36AD025A.1838AF0A@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I cannot send out the pictures on any of the reflectors of my patrol car wreck. Any of you that can accept either a zipped file or an attachment

just let me know and I will send the pix....

Got the car at 3pm and totalled at 6pm, with 47 miles on it....

and btw, not my fault.....

I was on drugs for over 8 days to reduce the pain and mailed them out to

some folks, but don't really know who I even talked to on the phone....

so let me know in a short email if you want them and I will shoot them out.

Friend took them with a good camera (graphics)

JohnPaul/AB4PP

Date: Tue, 26 Jan 1999 00:05:56 EST

From: RangerSF5@aol.com

To: jeffj@scott.net

Cc: qrp-l@lehigh.edu

Subject: [30919] Re: J-Pole Antenna

Message-ID: <425939f5.36ad4d34@aol.com>

Mime-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

In a message dated 99-01-25 23:53:30 EST, you write:

<<

Well... I'll throw in my 2 cents about J-poles. My homebrew copper pipe j pole outperforms anything commercial that I ever bought for 2 meter use and besides when the copper is exposed to the outside elements for about six months, it develops a lovely green patina <grin>.

>>

I agree with you 100% Jeff.

I used them for years and never had any problems with them.

Some scrap copper pipe, solder and you have an antenna that works better then the commercial jobs.

As far as the green goes YUK.

I polish mine up with 000 steel wool.

I've seen them used on the West coast for repeater use so that has to tell you something about the *J* pole.

Bob

WA2HOQrp <tm>

Date: Mon, 25 Jan 1999 21:12:50 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [30920] Atlanticon is a great name and
Message-ID: <01be48ea\$852823a0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey, I love the name Atlanticon, don't remember who came up with it but it sure doesn't need changeing. I think the idea of having the forums on Saturday is a great idea. Think of all of the guys who would not be able to get off work to attend on a weekday, even a Friday. But the bottom line is that the NJ Club is doing all of the work, and they call the shots. I am just upset at not being able to get back there for it. The Friday before is the last day before spring break at our school and there are strict rules about missing the day before and the day after vacations. I would not be able to leave until about 7 PM Pacific time and that would be 10 PM Eastern, so it means that I would have to fly all night. Been there done that, no thanks. But maybe next year.

I am excited that the NJ Club is doing Atlanticon, and am very, very impressed with the work that the NJ guys have done. I know what it takes to put on one of these events, and they are doing a first class job. The speakers they are having are all world class, and any one of them would be worth the trip. Plus the hotel that they are using is a first class hotel and even has hot water. If you live anywhere within 500 miles of Atlanticon, make your plans to attend now. You won't regret it. There is no way to describe the fun that you have meeting fellow qrpers from the list. Plus, there is no charge for admission, no charge for the compendium, great speakers, lots of neat prizes, and the no host dinner Friday night at the burger emporium and the activities on Saturday. I'm with you Paul, the QRP event is what would be the drawing card for me at Atlanticon.

Atlanticon is going to be fun, and this is the first in a long line of great QRP Forums for the NJ Club. I congratulate them on their efforts of being a progressive, active QRP club that does things to promote QRP and have FUN!!!

72, Doug, KI6DS

Date: Mon, 25 Jan 1999 23:08:52 -0600
From: Jeff Johns <jeffj@scott.net>
To: jpkeon@bellsouth.net, John Paul Keon <jpkeon@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30921] Re: Patrol Car Pix
Message-ID: <199901260508.XAA21214x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Mon, 25 Jan 1999 23:46:34 +0000, John Paul Keon <jpkeon@bellsouth.net> wrote:

> I cannot send out the pictures on any of the reflectors of my patrol car
>
> wreck. Any of you that can accept either a zipped file or an attachment

Ack.... I wrecked my patrol car this past summer.... that's a bad feeling to have to crawl out of the car and call the dispatcher and ask for a supervisor to come to your location. Thank God the people I hit, only lost their car (although it was a '98 Mazda), but we all walked away from it, the bad guys got away though :(But my Kenwood TM-201 survived :) Please email the pics, I'd love to take a peek at 'em!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 25 Jan 1999 22:09:28 -0700
From: "Keith Norrell" <knorrell@burgoyne.com>
To: <qrp-1@Lehigh.EDU>
Subject: [30922] Re: Semi and pseudo-QRP
Message-ID: <003601be48ea\$0dda25a0\$a102c5d1@knorrell.burgoyne.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="koi8-r"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Brian Murrey <brian@iquest.net> wrote:

>Then, this gazillion watt dude starts firing up on the band, almost a
>full 10Khz away, and drowns us out completely. This guy had a signal

I had a similar thing happen. I called back on their CQ and we had a pleasant QSO. Then I asked if he would power down a bit so I could check my recvr capabilities. After about four cranks on his end and about six axe handles worth on my S-meter, we were still communicating clearly. Now we catch one another with some regularity and have become well acquainted.

When I first tried out my Scout, I left it on max power because I wanted all the help I could get. I reckon he was thinking the same. By the by, you can turn the power down (on my Scout at least) by adjustment through an access hole in the bottom of the case.

>about 9 miles wide and it made me wish I had a secret radio wave
>destructo button on my NORCAL (someone, add this feature)so's I could
>blast his gourd with my screaming 1.8 watts of awesome power. Heck, old

I just keep hoping that someone will sneak a line on this reflector on how to build a "destructo button" for the boom-boxes used each summer in the park across the street from my home. Sometimes, I watch them ripple the water in my fish pond. I know they ripple my bald head.

Speaking of parks, I will be able to get "afield" this summer as I just completed an SLV for 40 meters. This was my first HB project and it felt so good that I was down-right polite to the Mother-in-Law when she called today. Scared her into a stutter. She kept asking "Who is this really?" I bet she thinks I'm plotting something. Heh-heh-heh.

> I'm trying to understand what qualifies as QRP. I know about the 10W/SSB and

Brian, now, I'm just a displaced West Texas dirt farmer talking to and Indiana plowboy, but, QRP = fun. That about sums it up. Much more than that is for these other folks to argue about. I do, however, reserve the right to join that

argument when I learn enough about it to be dangerous.

73,

Keith KC7ZQR

Date: Tue, 26 Jan 1999 00:16:37 EST
From: HWRM1SS@aol.com
To: n3ysi@easy-pages.com
Cc: njqrp@njqrp.org, qrp-l@lehigh.edu
Subject: [30923] Re: Re Atlanticon
Message-ID: <297af1c7.36ad4fb5@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Ditto !!! Well Put !!!

Date: Tue, 26 Jan 1999 00:15:14 -0500
From: "Al Gritzmacher" <ae2t@bigfoot.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30924] RE: [HomeBrew] Metal Chassis cutting, how do you;
Message-ID: <001401be48eb\$782d4620\$665502d1@ae2t>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

While there is no substitute for the proper tools, they also can cost way more than is practical for most of us.

Many points have been made about the various tools and techniques for cutting various openings in projects for hams, but one has been (so far) forgotten.

For odd-shaped holes, rectangles and squares, some combinations of drilling (or other round hole-making) followed by either nibblers, hacksaws, or jigsaws has been suggested. I'd recommend instead trying a carbide disk wheel. They cut very fast and easy and will make these straight-line cuts quickly. They cut straight lines naturally, due to the plane of the disc. They are available as accesories for Dremel tools and also for tools such as die-grinders. (Air-powered, high-speed rotary tools used for drilling and grinding.)

This will cut so well, you will need to take care not to go too far too fast! Also always take care to take precautions to protect yourself from flying dust/debris from the grinding and from the possibility of the disk shattering. Protective eyewear and clothing is a necessity.

Many of you may already have a Dremel (or similar) tool and the additional discs and mandrel will only cost a few bucks. If you have a source of compressed air, I'd recommend the die grinders. Places such as Harbor Freight sell them for around \$30. The discs and mandrel will be additional. The die grinder is also a useful tool for many other uses, such as powered filing and grinding and drilling.

Follow the recommendation of cutting the opening slightly small and filing to fit. You can't put back material you take away by mistake! Various grinding or sanding attachments can also be used for this with either the Dremel tool or die grinder. It's a lot easier than filing by hand!

Round, Greenlee-style punches are fairly economical in 'trade-sizes' but anything else gets expensive. If you need a round hole that happens to be near the size of an electrical conduit opening, (for instance some meters) they are a good choice. For smaller holes in sheet metal, I've had very good results with step-drill bits. 'Uni-Bit' is one trade name, although there are several, including Greenlee's brand. (Kwik-Stepper) They are starting to be common enough to be found in hardware stores, but if you don't find them, try

an electrical supply. These are those cone-shaped drills that you can make many

sizes of hole just by stopping when you get to the depth that matches the hole size you want. In sheet metal, they cut cleaner and disform the metal less than drilling with regular twist drills. The downside is they make a lot of sharp, hot shavings. Observe safety precautions again when using them. They also cost as much as set of drill bits, but if you don't abuse them they will last forever.

Keep building!

72,

Al AE2T
Lockport NY

Date: Mon, 25 Jan 1999 23:33:41 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30925] Re: Atlanticon is a great name and
Message-ID: <199901260533.XAA25549x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Okay guys and _gals_ (that's for an unnamed member of the list <grin>). I'm new to qrp in the form most of you know it and eager to learn as much as I can, but the name Atlanticon has really intrigued me. When I first saw it I thought it was an event in Atlanta that I might be able to spend about two hours driving to in Atlanta from Birmingham... but this doesn't seem to be the case :(Does anyone care to elaborate for we newcomers about the meaning behind the name?

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*  
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |  
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|  
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |  
*-----*
```

Date: Mon, 25 Jan 1999 23:48:31 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30926] RE: [HomeBrew] Metal Chassis cutting, how do you;
Message-ID: <199901260548.XAA27762x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 26 Jan 1999 00:15:14 -0500, "Al Gritzmacher" <ae2t@bigfoot.com> wrote:

> These are those cone-shaped drills that you can make
> many
> sizes of hole just by stopping when you get to the depth that matches the
> hole size you want.

I used to build all kinds of projects as a teenager and the best trick that my dad ever taught me for drilling a nice hole in a piece of sheet metal, such as a project box, was when drilling on a press to place a scrap piece of wood under the piece of steel I'm drilling and drill right through the metal into the wood. It really helps to keep the metal from becoming distorted.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 26 Jan 1999 01:22:16 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [30927] FS: KD1JV SA/SA Spec analyzer/scope adaptor, \$130
Message-ID: <Pine.LNX.3.95.990126011633.7715C-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Built by the one and only WJ2V, I bought it from him prior to my move to Oregon. See as how my scope is in Maryland and I have little chance of seeing it again anytime soon (like the rest of my stuff, which is in storage),

FS: Very good condition KD1JV SA/SA Spectrum Analyzer Scope Adaptor, with manual and built-in power supply in Radio Shack Black/Tan case.

Ready to ship. \$130, consider offers.

Thanks!

Scott Rosenfeld ARS N7JI
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Mon, 25 Jan 1999 23:58:42 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [30928] The facts please
Message-ID: <199901260558.XAA29330x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

I don't want to start a flame war of code versus no-code here on the list in case there are some lurkers that may hold no-code tickets, but I'm seeking facts and not myths.

- 1) I hold a Tech+ ticket, with some of the proposed changes in the way tickets will be granted, will I lose the gew HF priveleges I have earned?
- 2) When would the new license classes take effect, that is if they do get restructured?

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 25 Jan 1999 23:05:40 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Message-ID: <199901260605.XAA04242@usr07.primenet.com>

Howdy again Folks,

Note to all you FYBO ops, whether you plan to be frozen or beach-baked: Bring your camera and take some photos!

After the fun is all over, ScQRPion Bob (KI7MN) has graciously offered to take photos directly from all us FYBO ops and put them up on his website at <www.extremezone.com/~ki7mn>.

I'm sure Bob will speak up if I screw up here, but you can either send him an email attachment or an actual photo he can scan in. Depending on how many images he has to handle, I'm gonna owe him lunch at the next meeting. ;-)

We'll post it again later, but Bob can be reached at <ki7mn@extremezone.com>. Thanks again Bob!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Tue, 26 Jan 1999 00:06:34 -0700
From: "Robert Armstrong" <barmstrong@sisna.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30930] FYBO stuff
Message-ID: <01be48fa\$689a0220\$fbb4d2d1@barmstrong.sisna.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My planned FYBO site has been busy the last few weeks. Two teenagers were killed in an avalanche while snowboarding in the back country, and now two snowmobilers have been lost there for over a week. The local search and rescue had to abandon the search because the snow is so unstable.

I guess I'll find somewhere else.

de N7XJ, Bob in Utah

Date: Tue, 26 Jan 1999 02:15:55 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [30931] Strange water leak
Message-ID: <19990125.233214.4911.9.ka7you@juno.com>

I had a strange water leak in the shack which was very intermittent. I would occasionally find a small puddle on the QRP operating position table.

There was no wet spot in the ceiling-ever, and the cat was not doing it.

While cleaning up some space the other day I discovered the leak had moved to the floor, and today I found the source.

The two wire cable which comes from my solar panel on the roof to the batteries for the shack, was leaking water from the outer jacket-very slowly; less than a half a teaspoon per hour during heavy rain. It was just enough to cause a wet spot every few days, and I had moved the power lead and disconnected the batteries when I cleaned. I had left the power connector near the floor, and it was draining.

Maybe I should tap that solar panel as a source of battery water too.

:>)

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 26 Jan 1999 02:15:55 EST
From: ka7you@juno.com

To: jeffj@scott.net
Cc: qrp-1@LeHigh.EDU
Subject: [30932] Re: The facts please
Message-ID: <19990125.233214.4911.10.ka7you@juno.com>

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

On Mon, 25 Jan 1999 23:58:42 -0600 Jeff Johns <jeffj@scott.net> writes:

>I don't want to start a flame war of code versus no-code here on the
>list in
>case there are some lurkers that may hold no-code tickets, but I'm
>seeking
>facts and not myths.

>
>1) I hold a Tech+ ticket, with some of the proposed changes in the way
> tickets will be granted, will I lose the few HF privileges I have
> earned?

NO! I've not seen any proposal which will take any existing operating
frequencies away from Tech+ licensees.

>
>2) When would the new license classes take effect, that is if they do
> get restructured?
I think that remains to be determined

>
>73 Jeff W4JEF

>
> *----- Jeff Johns W4JEF - AMSAT# 32615
>-----*
> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain
>|
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's
>Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA
>|

>
>*-----*

>
73,
Rod KA7YOU

>
>
>
>
>

>
>

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 26 Jan 1999 02:15:55 EST
From: ka7you@juno.com
To: kl7h@eagle.ptialaska.net
Cc: qrp-1@LeHigh.EDU
Subject: [30933] Re: J-Pole "Beam" Antenna
Message-ID: <19990125.233214.4911.8.ka7you@juno.com>

I've had a copper J-Pole on 2m for years, with a reflector and director mounted on it.

I made a +5% (of 38inches) reflector, and a -5% director of 3/8 inch aluminum tubing mounted through a varnished wood boom. The boom rotates around the vertical pipe on a plastic support block which is clamped onto the vertical.

I live in an area with lots of multipath when using a plain vertical radiator. I'm between mountains, but if I get just a bit of directional gain, it almost completely goes away. This simple trick did it for me.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 and others

On Mon, 25 Jan 1999 17:31:08 -0900 Bruce Hopkins - KL7H
<kl7h@eagle.ptialaska.net> writes:

>Hi Gang...

>

> The posts over the last day on J-Pole antennas have been
>interesting... I have been considering a J-Pole for the Alaska QRP 10
>meter beacon for some time just haven't seen much hard data on that
>low of
>a band... Well today while browsing the magazine rack at the super
>market,
>I found a good article in CQ about J-Poles at 6 Meters and a reference
>to
>10 Meters... I did a web search when I got home and low and behold,
>found
>the same article on the web... His diagram #2 gives scaling data to

>make
>one for any frequency... I have sent a post off to him to see if there
>are
>any scaling issues at 10 meters and will report any info he might give
>in
>reply... Here is the URL to that article...
>
> <http://www.qsl.net/k4abt/jpole2.htm>
>
> Finally heard some PSK31 signals on 20 meters this afternoon so
>fired
>up the laptop and had good copy... It looks like it will be an
>interesting
>digital mode... If it truly only uses 31 Hz it is the type of step
>forward
>we will need as we grow in numbers... I would point out that I
>downloaded
>my PSK31 (G3PLX version) only a few weeks ago and noticed that my
>"About
>Information" showed version 1.01... I looked at the PSK31 web page
>last
>night and found reference to version 1.03 with several improvements...
> I
>downloaded it and it is indeed a new version... So if your copy is
>more
>than a few weeks old, make sure that you have 1.03 and not 1.01...
>For
>compatibility purposes, I am using a Toshiba Satellite 2505CDS Pentium
>@
>166 Mhz and Windoze 98, seems to at least receive fine using a setting
>of
>11025 Hz... Hope to get the beacon project wrapped up this week and
>then
>get a cable built to start playing with the PSK31 in transmit mode...
>
> Take care and have fun...
>
>72 / 73 / oo's - Bruce - KL7H
>Fairbanks, Alaska
>
>"Alaska QRP Club" - Web Site:
><http://www.ptialaska.net/~bhopkins/akqrp>
> - 10 Meter Beacon: 28.2825 +/- KL7AQC /
>BCN
>
>
>
>

>

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Date: Mon, 25 Jan 1999 23:32:13 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Subject: [30934] J pole/qrp notes
Message-ID: <v03007802b2d31ebe05ea@[216.26.3.109]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

With all these J pole comments, I thought I'd alert you all to an article by 'one of our own', Burt, N7OW, in the latest CQ. It's a J pole made from a coat hanger for 2 M, and very inexpensive. Burt is very active in the Cascade qrp group in Portland, Or, and comes up with many interesting ideas.

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Tue, 26 Jan 1999 06:38:44 -0500
From: Peter_Simpson@ne.3com.com
To: qrp-l@lehigh.edu
Subject: [30935] Netscape messaging - turning off HTML
Message-ID: <85256705.0040DE25.00@usboxmta.ne.3com.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

In Netscape Communicator 4.05, bring up the mailbox by selecting the Communicator menu entry, then "Messenger Mailbox"

When the mailbox comes up,

Select "Edit" then "Preferences"

When the Preferences box comes up, on the left hand side,

Select "Mail and Groups" then "Messages"

On the right hand side, under "Messages Properties"

Uncheck the box labelled "by default, send HTML messages"

Other versions of Netscape may differ, but the principle is the same, look for the "message properties" dialog, and remove the [default] HTML option.

Regards,
Peter, KA1AXY

Date: Tue, 26 Jan 1999 07:00:19 -0600
From: cd25d@clnk.com (Bill Slater)
To: <qrp-1@Lehigh.EDU>
Subject: [30936] New kid on block
Message-ID: <005601be492b\$d457d560\$d2e4050c@willies>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay I'll ask since I am one of the new kids on the block!

what is FYB0?

de KD5GCX Bill

Date: Tue, 26 Jan 1999 08:15:57 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30937] Re: [HomeBrew] Metal Chassis cutting, how do you;
Message-ID: <00dc01be492e\$02e15e40\$8805010a@myetsko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

I agree about the tools.

The 'uni-bit' or 'step-bit' devices are great additions to a toolbox, but will set you back about \$30 or more. But they last a LONG time if you only drill plastic and soft aluminum, with an occasional ferrous metal.

If you start buying punches for 'DB' style connectors, you can go broke VERY fast. Because there are SEPARATE punches for DB male, DB female, and even front mount vs rear mount. Although they are close enough in size that if you buy I think the rear mount female, you can front mount both male and female on it. And you can easily file or Dremel to fit.

As to wheels for the Dremel, those little cutting disk are VERY fragile, but work great. But recently at WalMart I picked up cutting disk that were some kind of coated fiberglass. Not quite as good as the brittle cutting disk from Dremel, but they DON'T BREAK. Well, you can break them if you try, but they aren't near as brittle. They cut a slightly thicker cut, and they shrink as they wear, but for how much use you get for your money they are a much better deal. I don't think I've EVER worn out the normal brittle Dremel cutting disk, they always get 'snapped off'.

Mike Yetzko
N1DVJ

Date: Tue, 26 Jan 1999 06:17:11 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: <cd25d@clnk.com>
Cc: "QRP-L" <QRP-L@lehigh.edu>
Subject: [30938] Re: New kid on block
Message-ID: <013901be492e\$3245a1a0\$75a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Okay I'll ask since I am one of the new kids on the block!
>
>what is FYBO?
>
>de KD5GCX Bill

It's more Fun than you can You Believe On QRP! OUTSIDE in the cold
..it's a very casual winter QRP contest. Which some OPs stay in doors
others head for the woods or outdoors to get that cold temp
multiplier. Try it you'll have fun!

TU & 72/73 ...Steve/n0tu-Monument,CO
<http://www.webaccess.net/~s&p/HRindex.htm>

-----Original Message-----

From: Bill Slater <cd25d@clnk.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, January 26, 1999 5:48 AM
Subject: New kid on block

Date: Tue, 26 Jan 1999 13:25:59 +0000
From: Walt Amos <waltk8cv@surfree.com>
To: Qrp-l Reflector <qrp-l@lehigh.edu>
Subject: [30939] Oh wowzers it shipped happy dance!
Message-ID: <36ADC267.E8CFC80A@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

folks

There the box was, the mail man had made a special trip with it, I
ripped it
open and what's this! It's not a Norcal 20 but the 1998 MICHIGAN QSO
PARTY award plaque! Really neat! And for HIGH SCORE QRP! Beautiful
polished wood. Now back to watching that postperson again. :-)

Walt K8CV

Date: Tue, 26 Jan 1999 08:46:59 EST
From: WQ1T@aol.com
To: qrp-l@lehigh.edu
Subject: [30940] Trade HW-9
Message-ID: <2810aefd.36adc753@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

I have a Heathkit HW- with the WARC bands, in collectors quality condition, that I would like to trade for a QRO HF rig. I have all the original manuals/paperwork too. Any offers? Please send them to:

wq1t@qsl.net

or

wq1t@aol.com

73/72 de, Rick/WQ1T

Date: Tue, 26 Jan 1999 10:19:27 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [30941] QST, FYBO, stuff...
Message-ID: <Pine.LNX.3.93.990126095232.358C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Had a long ride on the train tonight and finally got to *read* my Feb QST, Claton, KA0GKC got a plug on page 89, found some history of the "P5" dx-pedition. Glad I'm not at the top of DXCC:) And ran into the contest corral, I see AB7TT sneakily scheduled it so that it'll be easy to pick up MN, NH, DE and VT <snicker>. And after the last "oops" in QST I see Joe spelled out all the bands individually to avoid confusion, of course I don't think we ever had a phone class before :-)

Finally got the DC power connected to the DK3 on the truck (yes, another update it coming) and I gotta tell 'ya, it's very cool to be able to change bands while /M without stopping or getting up off my lazy butt! Since I can change bands easily now, I started using that thing with the curly wire that sticks out of the front of the rig, if you talk in it, people talk back:) First SSB Q in a long time was Yuri, YL1XX. Next was KB5XV/P, 80 miles south of LA on a gas platform in the gulf. He had to mount his vertical horizontally to clear the helipad, I should have such antenna problems!

Played in the HW Sprint, best Q was with N0EA who wasn't even in the contest. As I was scanning the band on 15, all I heard was "...IS 500MW" so I hung around. Tail ended and found out N0EA had an FT100MP at 500mW and I was on the backside of their beam! Signals really picked up when that thing was pointed in my direction. Also got W7SSM in CA on his HW8 with my HW9 in MD, not bad, coast to coast in the middle of the day with less combined power than my maglite flashlight:)

Most op time is in the truck, Wed nite 2300z until about 0400z, and Friday and Sunday nites about the same time. I can be on 80-15 -yeahhh!- (gotta figure out 10 on the DK3) for those that need the "rare" states of MD and PA:)

72, now back to the hole that pays me enough to have all my toys, and then deprives me of all my playtime:(It's a double edged sword...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 26 Jan 1999 09:13:25 -0500
From: "Paul Norman Craig, Jr." <n3ysi@easy-pages.com>
To: "'qrp-l'" <qrp-l@lehigh.EDU>
Subject: [30942] Good 10 mtr qrp
Message-ID: <01BE490C.28A527A0@default>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Gang,

Looks like another gud AM fer qrp DX on 10 mtrs. Just worked Y08CYN = (28.033) wid the ten tec 515, Mike gave me a 559. He was at 100w with a = G-Plane. I used the 265' loop. Go get 'em!

72 de n3ysi, Paul in Quakertown, PA

Date: Tue, 26 Jan 1999 15:35:14 +0100
From: Dominique.FERRAND@st.com
To: qrp-l@Lehigh.EDU
Subject: [30943] WAT are EQUIVALENT
Message-ID: <H0000028104c915d8@MHS>
MIME-Version: 1.0

Content-Type: text/plain; charset=US-ASCII; name="WAT"
Content-Disposition: inline; filename="WAT"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello

What are equivalent at LM703 dip8 please

Dominique 73 F6EPW

Date: Tue, 26 Jan 1999 07:53:23 -0700
From: Dave Ek <ekdave@earthlink.net>
To: ppraanet@qth.net, qrp-1@lehigh.edu
Subject: [30944] 40m-novice QRP loaner rig available
Message-ID: <3.0.6.32.19990126075323.0079ebe0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I currently have an OHR-100 QRP rig set up for the novice portion of 40 meters which I am not using, along with an OHR DD-1 digital dial (digital frequency display). For those not familiar, this is a rig which I built from a kit which puts out 5 watts and covers all of the novice portion of 40 meters. It has RIT and a variable bandwidth filter and is a nice rig to use (it's not a toy). The rig requires a 12V 1A well-filtered power supply (a gel-cel works great). The digital dial can be powered from the same supply.

If you are a novice or a tech plus with no HF equipment but want to get on HF, I invite you to contact me about borrowing this equipment. Terms are simple--I'll ship the equipment to you (if necessary). You provide the power supply, key, headphones, & matched antenna and treat it gently while you use it for a few months. Return it to me after you're done. Don't modify it. If it breaks or malfunctions, don't try to fix it--return it to me and I'll fix it. If your pet elephant sits on it and damages it beyond repair, replace it.

Please respond privately if you're interested.

73,

Dave AB0G0, Colorado Springs

Date: Tue, 26 Jan 1999 10:10:48 -0500
From: "David Maliniak" <dmaliniak@penton.com>
To: qrp-l@lehigh.edu, njqrp@njqrp.org
Subject: [30945] MFJ tuner and speaker/mic sold
Message-ID: <85256705.00535871.00@mail.penton.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The MFJ Versatuner and speaker/mic offered for sale yesterday have been spoken for.

Thanks!

Still available:

1) Ten-Tec Scout 555

- Rig is in like-new condition
- never been mobile or in the field
- Capable of 50W output but set for 5W currently
- Used very little

Comes with: band modules for 80, 40, 30, 20, 15 and 10 meters, matching hand mike and matching 11A power supply. No mobile mounting bracket or internal noise blanker. Have manuals and original boxes for rig and power supply. Asking \$500 or best offer shipped CONUS.

(non-QRP) Sony WM-D6C Walkman Professional cassette machine

This is a high-quality stereo cassette recorder with soft case. Comes with Sony stereo microphone. Get a good tape of yourself working that rare DX!
Excellent condition. Have manual. \$125 shipped CONUS.

Date: Tue, 26 Jan 1999 07:25:38 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30946] Not QRP - Email Question
Message-ID: <Pine.SOL.3.96.990126071803.15824A-1000000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all,

Now and then I see the following message and would like

to know what it really means and or why it shows up.

[The following text is in the "iso-8859-1" character set]
[Your display is set for the "US-ASCII" character set]
[Some characters may be displayed incorrectly]

I see this when using Pine as my mail program on a UNIX
server which is how I handle 90% of my Email.

I also see many, many posts come through with CR's & LF's
in what seem to be random places. Sentences all broken
into little peices!

Not the end of the world but just making me wonder.... :-)

Thanks,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 26 Jan 1999 09:35:17 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Subject: [30947] QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <000f01be4941\$7a0fa4a0\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dave,

Just wanted you to know that I think that's a great thing you're doing.
Trusting, too! I know that these days, sometimes it's hard to get a new ham
into HF when they're busy playing walkie-talkie on the repeater (sorry, that
probably sounded too harsh - isn't meant that way).

This brings something to mind, though... What about trying to get one or
more of the kit companies to give discounts on their basic QRP
kits(preferably heavy...perhaps at cost?) to hams that have been licensed on

HF for less than a month or so? This would be great incentive for a guy that just passed his 5 WPM to keep it up...and would likely grow business for them as that ham moves up to nicer kits. As we know, too many hams pass the 5 and never go back to it again...as I did once upon a time (although I'll be taking my 13 WPM on the 8th after ignoring CW for about 4 years, and have a new goal to be Extra by the end of the year).

I wish someone had steered me towards HF kit building when I first started...perhaps I'd understand a little more radio theory than I do now... This is a good opportunity to help the hobby by giving new hams more incentive to LEARN radio! I know a guy that passed the exam by memorizing the answers to enough questions - is this the sort of ham that will fight to protect our privledges and make sure the bands continue to be full of responsible amateurs? Granted, you can lead a horse to water but you can't make him drink... Still, I think it might help just a little teeny bit if more hams like this guy were introduced early on to radio theory, and big discounts on QRP kits might provide a little more incentive.

My .02 (maybe a little more),

Nathan

KBØNNV

Columbia, MO

Date: Tue, 26 Jan 1999 08:41:28 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: Ron Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30948] Re: Not QRP - Email Question
Message-ID: <Pine.BSI.3.96.990126083348.13465C-100000@usr02.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Ron,

I use Pine on a UNIX server as well, and see the same message. It generally means that diacritical characters (the international character set) will not be displayed properly. This is what causes some of the characters in email from overseas to be rather strange, as they are not always interpreted properly into the non-diacritical ASCII character set.

When I download email that has wierd out-of-place characters

in it and then import it into, say, Word, everything gets fixed.

This is where I have coniption fit with people who use HTML for their postings. I have to save it to a scratch file, then view it from there. PINE does not read HTML.

On Tue, 26 Jan 1999, Ron Stark wrote:

```
> Hi all,
>
> Now and then I see the following message and would like
> to know what it really means and or why it shows up.
>
> [The following text is in the "iso-8859-1" character set]
> [Your display is set for the "US-ASCII" character set]
> [Some characters may be displayed incorrectly]
>
>
> I see this when using Pine as my mail program on a UNIX
> server which is how I handle 90% of my Email.
>
> I also see many, many posts come through with CR's & LF's
> in what seem to be random places. Sentences all broken
> into little peices!
>
> Not the end of the world but just making me wonder.... :-)
>
> Thanks,
>
> 73, Ron,      SOWP 5545M,
>
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>
```

```

      ,-----,
      /  What's all this  \
      / extinct stuff, anyhow? \
      \-----,-----'
      _|/
oo\
( ) \
     \  . '  .
     \  '  '  \
     \  "  "  \
     \  .  .  \
     \  ( ) \

```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly

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c__; c__; '-..'>._

QRP ARCI 9464

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Tue, 26 Jan 1999 09:44:10 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30949] Re: 40m-novice QRP loaner rig available
Message-ID: <199901261544.JAA22001x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 26 Jan 1999 07:53:23 -0700, Dave Ek <ekdave@earthlink.net> wrote:

> If you are a novice or a tech plus with no HF equipment but want to get on
> HF, I invite you to contact me about borrowing this equipment. Terms are

This is the true spirit of amateur radio! I don't have a lot of equipment, actually all I have is a HT and a HTX-100 and an old TM-201 in my patrol car, but I do try to help those who need my help, sometimes knowledge can be as important as equipment, although my knowledge on some subjects is quite limited. I've always tried to 'elmer' to the best of my abilities and talents, and it's a nice feeling, it won't get me into Heaven, but it can't hurt <grin>.

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 26 Jan 1999 09:49:00 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30950] Re: QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <199901261549.JAA22876x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 26 Jan 1999 09:35:17 -0600, "Nathan Odle" <nodle01@mail.coin.missouri.edu> wrote:

> I wish someone had steered me towards HF kit building when I first

<snip>

> My .02 (maybe a little more),

It was worth every penny! Well stated!

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 26 Jan 1999 11:57:48 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@lehigh.edu>
Subject: [30951] Re: Not QRP - Email Question

Message-ID: <Pine.LNX.3.93.990126115504.781D-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Jan 1999, Chris Trask wrote:

> I use Pine on a UNIX server as well, and see the same message.

Count me in as a Pine user too:)

> This is where I have coniption fit with people who use HTML
> for their postings. I have to save it to a scratch file, then view
> it from there. PINE does not read HTML.

To read these, I just use the "forward" command, and then abort the forward afterwards. It let's you read it relatively cleanly, but if you do *actually* forward it to yourself, it re-messifies (tm) the mail:)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 26 Jan 1999 10:01:16 -0600 (CST)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [30952] 5 land qsl bureau
Message-ID: <12131-36ADE6CC-1011@mailtod-122.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

For those who dont know, the mdxa.org web site allows you to check the 5 land bureau for supplies that are needed and cards there for you. Not all prefixes are on line yet but they are working on it.
K1zw Larry (Texas)

Date: Tue, 26 Jan 1999 08:03:09 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [30953] Microwave oven parts
Message-ID: <36ADE73D.131800A@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey, I got a new microwave to replace one that was all rusted out. I stripped the old one before dumping the carcass, and got some (I think) neat stuff:

- 1) Big hootie (tm) transformer, with a filament and HV winding.
- 2) 0.85 mf/2000v oil-filled capacitor.
- 3) Magnetron with two ring-shaped magnets.
- 4) Assorted little parts, beeper, microswitches, blower, etc.

My question: anybody have an idea of something interesting (OK, I know, I'm giving the jokers an opportunity) to do with items 1-3?

73,
Vic, K2VCO
Fresno CA

Date: Tue, 26 Jan 1999 12:20:07 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Vic Rosenthal <rakefet@rakefet.com>
Cc: QRP Reflector <qrp-1@lehigh.edu>
Subject: [30954] Re: Microwave oven parts
Message-ID: <Pine.LNX.3.93.990126121620.781F-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Jan 1999, Vic Rosenthal wrote:

- > 1) Big hootie (tm) transformer, with a filament and HV winding.
> My question: anybody have an idea of something interesting (OK, I know, I'm

The transformer can be used for a "big-hootie power" linear, but there is some sort of shunt thingy that needs to be removed. It was written up in an article in QST within the past year.

N3XRV, just bored, at work, and sending more mail than he has in months :)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --

-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 26 Jan 1999 10:14:29 -0600
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <wb5rue@stic.net>
Subject: [30955] BADTIMES VIRUS ALERT!
Message-ID: <000001be4946\$f5a17490\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

You have to love this one!

If you receive an e-mail entitled "Badtimes," delete it immediately. Do not open it. Apparently this one is pretty nasty.

My pc has been crashing daily at least, despite enhanced memory and disk space. Badtimes is the culprit?

It will not only erase everything on your hard drive, but it will also delete anything on disks within 20 feet of your computer.

It demagnetizes the stripes on ALL of your credit cards.

It reprograms your ATM access code, screws up the tracking on your VCR and uses subspace field harmonics to scratch any CD's you attempt to play.

It will re-calibrate your refrigerator's coolness settings so all your ice cream melts and your milk curdles.

It will program your phone AutoDial to call only your mother-in-law's number.

This virus will mix antifreeze into your fish tank.

It will drink all your beer.

It will leave dirty socks on the coffee table when you are expecting company.

Its radioactive emissions will cause your toe jam and bellybutton fuzz to

migrate behind your ears.

It will replace your shampoo with Nair and your Nair with Rogaine, all while dating your current boy/girlfriend behind your back and billing their hotel rendezvous to your Visa card.

It will cause you to run with scissors and throw things in a way that is only fun until someone loses an eye.

It will give you Dutch Elm Disease and Tinea.

It will rewrite your backup files, changing all your active verbs to passive tense and incorporating undetectable misspellings which grossly change the interpretations of key sentences.

If the "Badtimes" message is opened in a Windows95 environment, it will leave the toilet seat up and leave your hair dryer plugged in dangerously close to a full bathtub.

It will not only remove the forbidden tags from your mattresses and pillows, but it will also refill your skim milk with whole milk.

It will replace all your luncheon meat with Spam.

It will molecularly rearrange your cologne or perfume, causing it to smell like dill pickles.

It is insidious and subtle. It is dangerous and terrifying to behold. It is also a rather interesting shade of mauve.

These are just a few signs of infection.

PLEASE FORWARD TO EVERYONE YOU KNOW!!!!!!!

Date: Tue, 26 Jan 1999 10:28:31 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Ron Stark <ku7y@dri.edu>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30956] Re: Not QRP - Email Question
Message-ID: <Pine.LNX.3.95.990126102316.14246B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

....Hello Ron....this inquiring mind would like to know the answers to

your inquiry as well...I also use Pine on a Unix server so maybe we can help each other from time to time....I find Pine VERY useful....just starting to explore attachments on Pine....I use the editor all the time to help with the web page I look after...I want to send my file of contacts from Logic3 to eqf as I'm having a problem importing this file to my registered copy of EQF...but you knew that eh?...HI HI...

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan. Canada
"QRP! How sweet it is!"

On Tue, 26 Jan 1999, Ron Stark wrote:

```
> Hi all,
>
> Now and then I see the following message and would like
> to know what it really means and or why it shows up.
>
> [The following text is in the "iso-8859-1" character set]
> [Your display is set for the "US-ASCII" character set]
> [Some characters may be displayed incorrectly]
>
>
> I see this when using Pine as my mail program on a UNIX
> server which is how I handle 90% of my Email.
>
> I also see many, many posts come through with CR's & LF's
> in what seem to be random places. Sentences all broken
> into little peices!
>
> Not the end of the world but just making me wonder.... :-)
>
> Thanks,
>
> 73, Ron,      SOWP 5545M,
>
> .....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> ....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
> ....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....
>
```

Date: Tue, 26 Jan 1999 09:31:30 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: cd25d@clnk.com
Cc: qrp-l@Lehigh.EDU

Subject: [30957] Re: New kid on block, FYBO
Message-ID: <199901261631.JAA08852@usr07.primenet.com>

Bill (KD5GCX) wrote:

>
> Okay I'll ask since I am one of the new kids on the block!
>
> what is FYBO?

(... Puts on P.T. Barnum Hat, pulls up soapbox ...)

What's that sir? Did I just hear you ask what FYBO is? Well, it's only the most spectacular QRP operating spectacle since Chuck himself tried to use a keyer in Mode B in front of dozens of onlookers! :-)

FYBO is the "Freeze Your B_____ Off" Winter QRP Field Day, sponsored by the AZ ScQRPions and scores of intrepid field ops and even-smarter home ops. :-)

The idea is as simple as it gets - Get on the air and have fun! There's a temperature multiplier that increases as your operating temperature plummets. And since your current operating temperature is part of the exchange, you get to spot the Frozen Field Op from the Suntanning Beach Op from the "Sitting At Home By A Warm Fire Laughing At All The Rest Of You Nuts" Op. :)

Full details are available at ScQRPion Bob (KI7MN)'s website:

<<http://www.extremezone.com/~ki7mn>>

Or for those without Web access, I'll be posting the complete rules again soon. Feb. 6th is the day (that's one week from this Saturday).

Please let me know if you have any questions. And welcome to ham radio and QRP, Bill!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Tue, 26 Jan 1999 10:39:14 -0600
From: "Larry Cruise" <aa5ta@texasonline.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [30958] NVIS best band example
Message-ID: <000601be494a\$884feee0\$8610cfd0@fpfzqlga>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Greetings fellow NVIS enthusiasts

If you are presently using a low dipole or loop on 40 or 80 you already have a good NVIS antenna. As I have posted previously the following link should answer most questions you would have.

<http://prairie.lakes.com/~jstanley/NVISPAT/nvispat.html>

For best results you should operate on the band that is near the MUF. The report below shows the probability for NVIS on a particular ham band. It also shows the OWF (Optimum Working Frequency) for NVIS. As was pointed out the military have many more frequencies available and thus can usually use the OWF for their circuits. It should be noted that for different areas of the country the report shown below would be slightly different. The OWF does change throughout the year with the OWF going somewhat higher.

As my present inverted V is only up 25 feet at the apex it makes for an excellent NVIS antenna. I keep skeds with a friend about 85 miles away and with 100 watts SSB signals can be as high as 20dB over S-9 at times. Most people have made NVIS contacts at one time or another, but didn't realize what mode they were utilizing during the contact.

-72 aa5ta Larry (West Texas)

=====

ASAPS V2.23 Field Strength Prediction ----- 26 Jan 1999

=====

Circuit 1: Distance: 0-200 MI Date: January

1999

Tx: AA5TA 34.18 258.27 Bearings: 0 180 T-index: 115

Rx: AA5TA 34.18 258.27 Path: District TxAntenna:

ISOTROPIC

FSet: Ham Noise: -148 dBW/Hz RxAntenna:

ISOTROPIC

Mode: 1F PROBABILITY Power: 5W BandWidth: 3.0kHz

=====
===

UT	MUF	OWF	@MUF	@OWF	3.5	7.0	10.1	14.0	18.1	21.0	24.8	28.0
00	9.4	8.2	50	90	99	99	19	..	..	..	..	..
01	7.6	6.5	50	90	99	77	..	..	..	..	..	..
02	6.5	5.5	50	90	99	24	..	..	..	..	..	..
03	5.4	4.6	50	90	99	..	..	..	..	..	..	..
04	4.8	4.0	50	90	99	..	..	..	..	..	..	..
05	4.5	3.7	50	90	99	..	..	..	..	..	..	..
06	4.4	3.6	50	90	99	..	..	..	..	..	..	..
07	4.4	3.6	50	90	99	..	..	..	..	..	..	..
08	4.3	3.5	50	90	99	..	..	..	..	..	..	..
09	4.3	3.4	50	90	87	..	..	..	..	..	..	..
10	4.2	3.2	50	90	83	..	..	..	..	..	..	..
11	4.0	3.1	50	90	78	..	..	..	..	..	..	..
12	3.9	3.0	50	90	75	..	..	..	..	..	..	..
13	4.1	3.4	50	90	87	..	..	..	..	..	..	..
14	6.3	5.6	50	90	99	13	..	..	..	..	..	..
15	8.8	7.8	50	90	99	99	..	..	..	..	..	..
16	9.8	8.7	50	90	99	99	36	..	..	..	..	..
17	10.6	9.3	50	90	99	99	73	..	..	..	..	..
18	11.1	9.8	50	90	99	99	85	..	..	..	..	..
19	11.4	10.0	50	90	99	99	88	..	..	..	..	..
20	11.0	9.7	50	90	99	99	83	..	..	..	..	..
21	10.8	9.4	50	90	99	99	76	..	..	..	..	..
22	10.6	9.2	50	90	99	99	71	..	..	..	..	..
23	10.0	8.7	50	90	99	99	44	..	..	..	..	..

=====
===

Date: Tue, 26 Jan 1999 11:37:34 -0500

From: "Edward A Kwik jr" <eakwikjr@hti.com>

To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [30959] Re: QRP Kit Discounts for new hams (was: ...loaner rig available)

Message-ID: <36ADEF4E.DFC24455@hti.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nathan Odle wrote:

>
> Dave,
>
> Just wanted you to know that I think that's a great thing you're doing.
> Trusting, too! I know that these days, sometimes it's hard to get a new ham
Snip.....
> make him drink... Still, I think it might help just a little teeny bit if
> more hams like this guy were introduced early on to radio theory, and big
> discounts on QRP kits might provide a little more incentive.
>
> My .02 (maybe a little more),
>

Nathan,
This idea has some merit. But there are several kits in the \$100 range
and even a real usable single board QRP kit for \$55. Even if they were
to be discounted, it is hard to believe that a new ham will not get into
HF because they can not afford a \$55 kit but can afford a \$35 kit. How
about if they were provided free with funds provided by some sort of
pool. The pool would come from contributions to some sort of existing
national organization like ARRL or Nor Cal (include an elective
contribution as part of dues/subscription) and they would contract with
existing QRP kit suppliers for big volume discounts. Everyone that
passes a Novice or Tech+ gets one shipped to them when their name shows
up on the FCC database. How many Novices and Tech+'s get licensed each
year?

Ed Kwik AB8DF Waterford, MI

Date: Tue, 26 Jan 1999 09:42:12 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [30960] Re: FYBO stuff / Safety
Message-ID: <199901261642.JAA09719@usr07.primenet.com>

Bob (N7XJ) wrote:

> My planned FYBO site has been busy the last few weeks. Two teenagers
> were killed in an avalanche while snowboarding in the back country,
> and now two snowmobilers have been lost there for over a week. The
> local search and rescue had to abandon the search because the snow

> is so unstable.
>
> I guess I'll find somewhere else.

Yikes. Yes, PLEASE folks, safety first. Above all know your limits, and know the conditions you may have to face. Nature doesn't know mercy or malice. It just happens, whether you're prepared for it or not.

Be safe first, THEN start having fun!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Tue, 26 Jan 1999 10:42:25 -0600
From: "Tom Whiteside" <n5tw@igg-tx.net>
To: <qrp-1@lehigh.edu>
Subject: [30961] FOX: W8RU Fox Report for 22 Jan 99
Message-ID: <001601be494a\$db1beac0\$e621f0cd@g517v>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>From: majewski@erim-int.com (Ron Majewski)

>The noise got worse as the hunt continued. Fortunately I had put up
>a pseudo-beverage antenna for 160m a month ago, and that antenna often
>helps improve signal-to-noise on 40m too. Tonight I found that it helped
>quite a bit, especially on medium distance (Texas) and short distance
>(Michigan) contacts. For those that are interested, a pseudo-beverage (PB)
>is my term for a much-less-than-optimum beverage. My PB is about 100ft
>long and about 8ft high. A real beverage for 160m should be around 500ft
>long. Maybe someday. Anyway, my PB did help. I also used a coaxial loop
>antenna and my 40m delta loop to help cut through the noise.

We "pesky Texans" find that a good Beverage often helps a fox hunt - hi...
Seriously, I have 5 Beverages up that are about 550 feet long and they do
indeed sometimes help. The problem with Beverages this long on 40M is that

the beam width is very narrow for reliable coverage unless you have many of the critters up... My Beverages are each offset about 60 degrees and it is hit or miss on 40M with that length - ideal for 80M... My bet is that a few 200 foot Beverages would be great for the 40M hunts.... Even a 130 foot 1 wavelength Beverage would be good with a 3db beam width of +/- 60 degrees and would fit in more people's yards... The ON4UN book "Low-Band DXing" is a great reference on these antennas...

Tom Whiteside
N5TW Georgetown, TX QRP-L # 1474

Date: Tue, 26 Jan 1999 10:45:54 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Subject: [30962] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <001301be494b\$57d7fc20\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just forwarded a copy of my message to about 15 kit manufacturers...let them know that if they wanted to comment, I would forward it to the list...
Let's see what happens!

Nathan
KB0NNV
Columbia, MO

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Nathan Odle
Sent: Tuesday, January 26, 1999 9:35 AM
To: Low Power Amateur Radio Discussion
Subject: QRP Kit Discounts for new hams (was: ...loaner rig available)

Dave,

Just wanted you to know that I think that's a great thing you're doing. Trusting, too! I know that these days, sometimes it's hard to get a new ham into HF when they're busy playing walkie-talkie on the repeater (sorry, that probably sounded too harsh - isn't meant that way).

This brings something to mind, though... What about trying to get one or more of the kit companies to give discounts on their basic QRP kits(preferably heavy...perhaps at cost?) to hams that have been licensed on HF for less than a month or so? This would be great incentive for a guy that just passed his 5 WPM to keep it up...and would likely grow business for them as that ham moves up to nicer kits. As we know, too many hams pass the 5 and never go back to it again...as I did once upon a time (although I'll be taking my 13 WPM on the 8th after ignoring CW for about 4 years, and have a new goal to be Extra by the end of the year).

I wish someone had steered me towards HF kit building when I first started...perhaps I'd understand a little more radio theory than I do now... This is a good opportunity to help the hobby by giving new hams more incentive to LEARN radio! I know a guy that passed the exam by memorizing the answers to enough questions - is this the sort of ham that will fight to protect our privledges and make sure the bands continue to be full of responsible amateurs? Granted, you can lead a horse to water but you can't make him drink... Still, I think it might help just a little teeny bit if more hams like this guy were introduced early on to radio theory, and big discounts on QRP kits might provide a little more incentive.

My .02 (maybe a little more),

Nathan
KB0NNV
Columbia, MO

Date: Tue, 26 Jan 1999 10:37:00 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-l@Lehigh.EDU
Subject: [30963] Re: BADTIMES VIRUS ALERT!
Message-ID: <199901261642.KAA05126@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> You have to love this one!

>

> -----

> If you receive an e-mail entitled "Badtimes," delete it immediately. Do not
> open it. Apparently this one is pretty nasty.

It was funny the first half dozen times I got spammed with it.

Let's give the jokes a rest on the list. My in box runneth over.

Date: Tue, 26 Jan 1999 08:57:37 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <wb5rue@stic.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30964] RE: BADTIMES VIRUS ALERT!
Message-ID: <000d01be494c\$fa07a620\$a605b2d1@rmccarty.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wait a minute,

It will drink all of my Beer?
Houston, we have a problem.

Roger KD6CC

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
> Kevin Muenzler WB5RUE
> Sent: Tuesday, January 26, 1999 8:14 AM
> To: Low Power Amateur Radio Discussion
> Subject: BADTIMES VIRUS ALERT!
>
>
> You have to love this one!
>
> -----
> If you receive an e-mail entitled "Badtimes," delete it
> immediately. Do not
> open it. Apparently this one is pretty nasty.
>
<Big Snip>
> It will drink all your beer.
>

Date: Tue, 26 Jan 1999 10:13:31 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>

To: Chris Cartwright <ccart@dns.vidtel.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30965] Re: Not QRP - Email Question
Message-ID: <Pine.BSI.3.96.990126100550.19948A-100000@usr04.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Chris,

I'm going to try the forwarding next time and save the extra steps. Thanks for mentioning it.

On Tue, 26 Jan 1999, Chris Cartwright wrote:

```
> On Tue, 26 Jan 1999, Chris Trask wrote:
>
> > I use Pine on a UNIX server as well, and see the same message.
>
> Count me in as a Pine user too:)
>
> > This is where I have coniption fit with people who use HTML
> > for their postings. I have to save it to a scratch file, then view
> > it from there. PINE does not read HTML.
>
> To read these, I just use the "forward" command, and then abort the
> forward afterwards. It let's you read it relatively cleanly, but if you
> do actually forward it to yourself, it re-messifies (tm) the mail:)
>
```

Re-mess-i-fy (vt): The process by which, though manipulation, a previously messed-up item, such as garbled email, is rendered in a newly messed-up condition. re-mess-i-fied (vpt), re-mess-i-fi-ca-tion (n). See: screwed up.

```

      ,-----'
    /   What's all this   \
  / extinct stuff, anyhow? /
 \       -----'        \
_ ||/
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  \     \ . ' - ' .
  \     \ ' '
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```

Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

c__; c__; '-..'>._

Email: ctrask@primenet.com
http://www.primenet.com/~ctrask

Graphics by Loek Frederiks

Date: Tue, 26 Jan 1999 10:09:04 -0700
From: Dave Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [30966] loaner rigs: any others available?
Message-ID: <3.0.6.32.19990126100904.00797ea0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

My offer to loan the OHR-100 to a novice or tech plus has yielded more requests than I have rigs to fill. Do any of the rest of you have rigs which can be used by novices which you would be willing to lend on a similar basis? I'll be happy to serve as a clearinghouse for this info and to put potential borrowers in contact with you. Email direct if you'd like to help.

Potential borrowers: I'm going to wait a couple of days for everyone to respond before I decide who gets to borrow my rig. Probably draw a name from a hat. It's not too late to put yourself in the running. And if you don't get mine, there may be others available.

73 de Dave AB0GO in Colorado Springs

Date: Tue, 26 Jan 1999 11:15:32 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30967] Re: QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <199901261715.LAA07849x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 26 Jan 1999 11:37:34 -0500, "Edward A Kwik jr" <eakwikjr@hti.com> wrote:

> How many Novices and Tech+'s get licensed each
> year?

Acn we make this proactive to somebody that upgraded to Tech+ two or three weeks ago <grin>? My biggest problem is probably that which eberybody has, money. I _am_ going to build a kit and build it and hopefully it will be the greatest thing since sliced bread (what did they say before they had sliced bread?), but even \$55 can be a lump of change when you are rearing to children and trying to keep them clothed and fed. But you can all rest assured that sometime in the near future I thoroughly plan on gettin me a kit. This sounds silly, but here's what I doing. I got an old glass jar and at the end of each day, I put what ever change I have left in my pocket in the jar, and I'm not gonna use it for anything except a qrp kit. I figure within the next few months there will be enough in there to get one. I just need to figure out if I want to buy the Six Pack kit first to play with or if I want to buy and actual transceiver..... well at least I have time to decide.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*  
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |  
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|  
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |  
*-----*
```

Date: Tue, 26 Jan 1999 11:20:02 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <eakwikjr@hti.com>, <qrp-1@lehigh.edu>
Subject: [30968] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <001401be4950\$1c413780\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed,

Nice take on the idea, but it seems to me that that's gonna be a *lot* of hams to send kits to...maybe not though...maybe some enterprising person can look up the numbers at the FCC and do the math. Of course, as with the original idea, informing new hams of their opportunity will be a factor - mailings by QRP vendors or QRP clubs to local clubs would be a good bet.

The reason I think that a discount might be a good idea, even on the \$100 kits, is that it has *incentive* value, in other words, "Get into HF now, while you're just starting out, and get a better deal than you will later". Think about how many hams out there buy things at hamfests that they might not otherwise because it's a "good deal"... Let's also not overlook the fact that many of the young kids we're trying to get into radio (boy scouts, etc.) may not have \$100 to spend, but they may be able to swing a lower price. It also might give their parents / elmers a good option for a "congratulations on passing your license test" gift.

Even if this doesn't work out in the end, there's still hope for the idea. Why don't you all make an effort to elmer at least *1* new ham this year, and set them up with a QRP kit and the "technical support" to build it if possible. In the last year, I've introduced 2 people to amateur radio and seen them through getting their licenses, and while I don't have the finances to provide them the kit, I've pointed them to the right place. THIS is the spirit of amateur radio, and is part of the reason why we hams are known to be such good guys and gals.

Thanks for the feedback...keep it coming...

Nathan
KB0NNV
Columbia, MO

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Edward A Kwik jr
Sent: Tuesday, January 26, 1999 10:38 AM
To: Low Power Amateur Radio Discussion
Subject: Re: QRP Kit Discounts for new hams (was: ...loaner rig available)

This idea has some merit. But there are several kits in the \$100 range and even a real usable single board QRP kit for \$55. Even if they were to be discounted, it is hard to believe that a new ham will not get into HF because they can not afford a \$55 kit but can afford a \$35 kit. How about if they were provided free with funds provided by some sort of pool. The pool would come from contributions to some sort of existing national organization like ARRL or Nor Cal (include an elective contribution as part

of dues/subscription) and they would contract with existing QRP kit suppliers for big volume discounts. Everyone that passes a Novice or Tech+ gets one shipped to them when their name shows up on the FCC database. How many Novices and Tech+'s get licensed each year?

Ed Kwik AB8DF Waterford, MI

Date: Tue, 26 Jan 1999 11:30:06 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: "'LDG Electronics'" <ldg@ldgelectronics.com>, <qrp-1@lehigh.edu>
Subject: [30969] MANUFACTURER RESPONSE - QRP Kit Discounts for new hams
Message-ID: <001501be4951\$8499c080\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dwane,

Thank you very much for your nice reply. Do you think that you could get a "new ham" price list together (heavy emphasis on "newbie" equipment)? My thinking is that when this all goes through, the group can compile a master price list with contact information for the vendors, then by some way distribute it to clubs. Also, please provide your input as to the qualifying factors. The current thinking is qualifying buyers will have been licensed on HF (Novice, Tech +) for less than one or two months. Keep in mind this will be a limited number of hams, so perhaps this will help you discount heavily ;) Thanks again, Dwane.

Nathan
KB0NNV

-----Original Message-----

From: LDG Electronics [mailto:ldg@ldgelectronics.com]
Sent: Tuesday, January 26, 1999 11:05 AM
To: Nathan Odle
Subject: Re: FW: QRP Kit Discounts for new hams (was: ...loaner rigavailable)

It sounds like a great idea. We have done several group buys before (with good discounts) that generated hundreds of intersted parties. Some companies go for it, some don't. We have always had favorable results.

Dwayne Kincaid/WD80YG
LDG Electronics

Date: Tue, 26 Jan 1999 11:48:20 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-1@lehigh.edu>
Subject: [30970] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <001801be4954\$107c1380\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anyone have the email for Ten-Tec? I wanted to include them in my e-mail to vendors, but their website seems to be down (or maybe moved). Reply only to me, no need to clutter the list...

Nathan
KB0NNV
Columbia, MO

Date: Tue, 26 Jan 1999 09:14:04 -0500
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-1@Lehigh.EDU
Subject: [30971] Re Atlanticon
Message-ID: <36ADCDAC.6BDB@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Recently there was an inquiry regarding as to how the name "Atlanticon" came about and/or who was responsible. It happens that I am the guilty party (October 13, 1998, 07:37:08 posting).

Joe, K3CHP, Riverdale, MD

Date: Tue, 26 Jan 1999 11:18:45 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30972] Need money to buy a kit?
Message-ID: <36ADA495.86AB0DFE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Here's how to get it:

If you smoke, QUIT and save the \$\$ for a month. You can buy almost any kit for that amount.

If you drink, cut it in half and save the money. You can buy a kit and be alive to build it.

Go to the grocery store instead of the 7-11, Circle K, Kwik Stop or whatever. The \$\$ you save will get you a kit.

If you have _some_ money, but not quite enough, then start a group buy and take advantage of the discount.

But: Don't look around for a freebee or "at cost" deal. Almost all of the kit suppliers can't afford to do that.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Tue, 26 Jan 1999 13:15:18 -0500
From: "Richard Brummer" <obvious@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30973] Re: Re Atlanticon
Message-ID: <005201be4957\$d74bbd00\$9c05b3d8@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

With maybe a little help from "Pacificon" ?

73,
Dick K2REB

-----Original Message-----

From: Joseph Mikuckis <k3chp@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, January 26, 1999 1:07 PM
Subject: Re Atlanticon

>Recently there was an inquiry regarding as to how the name "Atlanticon"
>came about and/or who was responsible. It happens that I am the guilty
>party (October 13, 1998, 07:37:08 posting).

>

>Joe, K3CHP, Riverdale, MD

>

>

Date: Tue, 26 Jan 1999 13:54:40 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: rakefet@rakefet.com
Cc: qrp-1@lehigh.edu
Subject: [30974] Re: Microwave oven parts
Message-ID: <199901261840.NAA11343@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

> Hey, I got a new microwave to replace one that was all rusted out. I stripped
> the old one before dumping the carcass, and got some (I think) neat stuff:

Not a whole lot of usefull parts in a microwave oven.

The Big-hoottie xformer puts out about 1200 volts. One end of the secondary is grounded to the xformer frame, so that has to be lifted for most applications. I once sat down and removed turns from the sec to bring it down to about 700 volts, boy, was that a lot of work!

If you have two identical transformers, you can make a 1:1 isolation transformer. Grind the weld off to remove the bottom "T" lamination, remove the coils. Rebuild one of the cores with the primaries from both xformers and have the lamination welded back on. The left over secondaries will supply a couple miles of #32 or so magnet wire.

The magnets off the magnatron are fun to play with, use them to stick floppy disks to the 'fidge door, so you don't forget them on the way

to work or school :-)

The control board usually has a small pc mount low voltage transformer, diodes, caps, regulator, and relays that might be useful.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 26 Jan 1999 18:43:25 +0000
From: Michael Neverdosky <MichaelN@cycat.com>
To: qrp-l mailing list <qrp-l@Lehigh.edu>
Subject: [30975] Schematic needed, Kenwood PS-30
Message-ID: <36ADC67D.D07D8D15@cycat.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Does anybody have a schematic of the PS-30, 20A power supply from Kenwood?

Thanks

michael N6CHV (in central Florida)

Date: Tue, 26 Jan 1999 11:44:55 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [30976] FYBO Prize List
Message-ID: <199901261844.LAA17440@usr01.primenet.com>

Howdy again Folks,

(Sorry for the flurry of posts - making hay while the sun shines - i.e. a short break in the business sked...)

Behold the Shameless, Fabulous FYBO Prize List!

Why do we do this? Because let's face it, the vast majority of us aren't ever going to win a contest. But in FYBO, all of you have an equal chance to win *something*. 'Tis all about

fun, after all. And while fun is its own reward, sometimes a little extra something doesn't hurt any. ;-)

The only requirement is that you submit a log with at least 10 valid QSOs. You've got 12 hours to operate, so that's not really a hardship. :) (EXCEPTION: See the Novice/Tech+ prize below.)

Remember gang, 10 QSOs minimum, unless you're a Field Op who has one heck of a horror story involving rabid ice weasels, antenna-eating porcupines, and snow snakes. And we'll want to see photos. ;-)

The Shameless, Fabulous FYBO Prize List

- 1) A GM-XX xcvr from Small Wonder Labs, courtesy of Dave NN1G and Jay WA5WHN. (Many thanks guys!) This will be awarded to the *individual* who works the most AZ FYBO stations. With AZ and NM QRPers converging in eastern AZ, it's going to be a "target-rich" environment. Shoot fast, shoot often. :-)
- 2) A NorCal paddle kit, donated by Bob N4BP, to be raffled off from the logs received. Thanks Bob! Guess he felt guilty with all of that warm FL wx. :)
- 3) NOVICE/TECH+ - An ARRL Handbook will be raffled off among N/T+ QRPers who submit a log. No QSO minimum. We'll just be happy to know you were operating!
- 4) A big package of York Peppermint Patties to the Home op with the lowest operating temp. This will help give you that feeling of mushing a sled team across the frozen tundra! (Or so the commercials tell me....)
- 5) A bottle of proper AZ Gunslinger hot sauce to the Field op with the lowest operating temp. If this doesn't heat you up, nothing will. :) NOTE: The MN QRP Gang burned my butt last year when their multi-op station had the coldest temp, so I now have a limit of 4 bottles for the winning callsign. :-)
- 6) Random stuff as we AZ ScQRPions see fit (or unfit ;-)).

That's it! Hope to hear you out there. Remember, safety first, followed closely by FUN! :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Tue, 26 Jan 1999 18:48:08 +0000
From: Ed Loranger <we6w@qsl.net>
To: qrp-1@lehigh.edu
Subject: [30977] PSK31 and minimalist desires.
Message-ID: <36AE0DE8.2D9A@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue, this thread on PSK31 and what not has been interesting.

Bill/KD7S shared a great site with us:

>Try the "Official PSK31 WWW Page" at
><http://bipt106.bi.ehu.es/psk31.html>

This is THE place, for sure.

I'm kind of anti-processor etc. when it comes to my radios. Tho I don't have the slightest bias against others and their operating methods, I just love the flavor of a non-digital rig and lots of knobs that require some personal expertise to optimize. Backpacking computers, even those tiny laptops, just puts another potential equipment failure possibility in-line.

Don't get me wrong, I would love to say: "My other rig is a 1000MP". I just like sporting around in the Celica.

Kind of like enjoying a car with manual transmission instead of an automatic.

I once tuned a 1973 Pontiac Luxury Lemans, 2 door, with V8-350CI engine to get 23 Miles per gallon. I explained the tune-up procedure to the talk show host on KGO radio. It was my 15 minutes of fame back in 1989 or so :)

It was also 11:45 PM at night....

The point of the car thing is that we can do a lot with that little basic rig.

I would love to try an analog approach or non-cpu derived digital approach to bi-phasic CW as well.

Now, back to burning the candle on 3 ends...

72/Ed

--

-Ed AR QRP Millennium QSO's=203/2000
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 26 Jan 1999 10:30:14 -0800
From: "Frank West" <ke6vhm@earthlink.net>
To: <RangerSF5@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30978] Re: J-Pole Antenna
Message-ID: <00ef01be495e\$bfd03780\$4603b2d1@frank-west>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I also didnt care for the green - and after the polishing I applied a spray coat of Krylon Clear acrylic to the entire antenna with no change to it's SWR or performance. I have used the same thing on aluminum antennas. Don't know how long it will last in the weather though. My 10m vert has been in the air for about 15 years (11 years as a 11m) and still shines like the day I first put it up. Your milage might vary with climate, I live in Southern Ca. Might not last as long in the cold or snow.
72 de Frank KE6VHM

it develops a lovely green patina <grin>.
> >>
>As far as the green goes YUK.
>I polish mine up with 000 steel wool.

Date: Tue, 26 Jan 1999 13:05:37 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>

To: <w6toy@erols.com>, <qrp-l@lehigh.edu>, <kanga@bright.net>,
<qrpbob@datatamers.com>, <qrp@ohr.com>, <sales@mtechnologies.com>,
<jparker@fix.net>,
 <information@radioadv.com>, <embres@frontiernet.net>,
<RadKit@compuserve.com>, <radios@elecraft.com>, <ldg@ldgelectronics.com>,
<emtech@steadynet.com>
Subject: [30979] RE: QRP Kit Discounts for new hams (was: ...loaner rig available)
Message-ID: <001901be495e\$dc24b820\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce,

First, thanks for your email. We need all sides of the discussion to be involved here.

>There is a limit to what vendors want to do for a market measured in
>hundreds of units.

That's not what Dwane at LDG said...

"It sounds like a great idea. We have done several group buys before (with good discounts) that generated hundreds of interested parties. Some companies go for it, some don't. We have always had favorable results."

>Why should I give you a discount now so you can buy a Kenwood later? >Is there some similarity between my name and Kenwoods?

>Get serious.

This response tells me that you also missed the point of the proposal. When it comes right down to it, it's not to make money for the kit vendors. The purpose is to better ham radio by helping to, in a small way, build a generation of more knowledgeable hams. That being said, many kit vendors will have an interest in this for the pure betterment of ham radio. In addition, others will recognize that more hams starting off the blocks with QRP kits, along with the greater numbers of HF-licensed hams the proposal might generate, will add to the numbers of hams buying their kits.

The trend among companies involved in leisure activities is to work not so hard toward grabbing a piece of the pie by stealing business away from the other guy, but instead making the pie bigger for everyone. The more people taking part in the hobby / activity, the larger their market is.

There's also the aspect that it could get many hams involved in QRP that

might not otherwise be interested. A recent email from Rod, KA7YOU put it well:

"Somehow there is the idea that without an aluminum windmill fifty feet in the air, and a hundred watts or more, it is not possible to make it out of the state.

That is the image we have to 'crush'; and get the word out that a \$100 to \$200 kit and a few accessories and a hank of wire will provide so much enjoyment, and allow communications with so many."

I think at the very least it's worth a shot. If it doesn't work out, fine. I still don't think anyone will disagree that a successful program would be beneficial to amateur radio. I understand that kit vendors are often working on small margins, and hams shouldn't have unrealistic expectations, but if they do what they can (if nothing else, their "group buy" price) that will be something. Let's also not forget that vendors ALSO sell commercially manufactured products (keys, etc.) with larger margins, that they might be willing to deal on.

Nathan Odle
KB0NNV
Columbia, MO

Date: Tue, 26 Jan 1999 13:17:35 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30980] Re: Need money to buy a kit?
Message-ID: <199901261917.NAA01181x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

On Tue, 26 Jan 1999 11:18:45 +0000, Roger Hightower <n7kt@earthlink.net> wrote:

> Here's how to get it:

>

> If you smoke, QUIT and save the \$\$ for a month. You can buy almost any
> kit for that amount.

<snip>

Okay I can do that, but I don't have to sell any of my guns, do I <grin>?

73 Jeff

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 26 Jan 1999 19:21:04 -0000
From: "Mel Evans" <MelGM6JAG@bccscotland.freemove.co.uk>
To: <dpayton@fwi.com>
Cc: <qrp-1@lehigh.edu>
Subject: [30981] Re: Comments on building the MB4 receiver (SPRAT 97)
Message-ID: <000101be4962\$ccf84d40\$d327883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi there,

Tagstrip is that stuff you used to find inside Mil spec kit in the fifties or thereabouts, it's a strip of paxolin with solder tags on it, and a couple of mounting tags on the single stuff, and it comes in double where the tags are on each side of a strip of paxolin about 2 ins wide.

Visualise an upside down IC socket about 2 ins wide and say 7 or 8 ins long and you've got the idea. Since the solder tags are insulated from the chassis metal and each other, you use them as tie points for the components. SIMPLE! (Haven't seen any for years mind you!) Sooooooh, what you did was about right.

Regards

Mel GM6JAG

Edinburgh, Scotland UK

-----Original Message-----

From: Dennis Payton <dpayton@fwi.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, January 26, 1999 3:47 AM
Subject: Comments on building the MB4 receiver (SPRAT 97)

>I built G0KJK's MB4 receiver over the weekend. It's a fun little project
and
>performs as claimed. Here are a few discrepancies I found in the article,
>though.
>Would someone enlighten me as to what tag-strip is? What I did here was
>build on the back of a large socket which works fine. I cut a piece of PC
>board material about 1/4" larger on all sides than the socket or piece of
>socket that I'm using, then center the socket upside down on it with two
>>
>Denny Payton, N9JXY
>Auburn, IN
>
>

Date: Tue, 26 Jan 1999 19:29:39 +0000
From: bob evinger <revinger@marshallonline.com>
To: qrp-1@Lehigh.EDU
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30982] Re: Microwave oven parts
Message-ID: <36AE17A3.878AC9C7@marshallonline.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Steven Weber wrote:

> The magnets off the magnatron are fun to play with, use them to stick
> floppy disks to the 'fidge door, so you don't forget them on the way
> to work or school :-)

...

> 72,
> Steve, KD1JV in the white Mountains of New Hampshire
> "melt solder"

Hey thats not funny. :) Had a secretary about 10 years ago or so that
did that to, if I remember right,

a system diskette(all 8 inches of it) for an IBM Series 1. Everybody else used the clip attached to the magnet to hold the diskette on the front of the machine. She found it easier to just plant the magnet right on top of the diskette. OOPS.....

72

bob

--

Bob Evinger WD9EKA Marshall, Illinois

Date: Tue, 26 Jan 1999 14:47:47 -0500
From: John Levreault <jlevro@mediaone.net>
To: ccart@dns.vidtel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30983] Re: Microwave oven parts
Message-ID: <36AE1BE3.FB4E670C@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chris Cartwright wrote:

> The transformer can be used for a "big-hootie power" linear, but there is
> some sort of shunt thingy that needs to be removed. It was written up in
> an article in QST within the past year.

I think that was QEX for Jan/Feb 98.

de nb1i

>

>

> N3XRV, just bored, at work, and sending more mail than he has in months :)

>

> -- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 26 Jan 1999 14:57:25 -0500

From: "John Humphrey" <jhumphre@ultra-tech.com>
To: n7kt@earthlink.net, qrp-l@lehigh.edu
Subject: [30984] RE: FYBO
Message-ID: <s6add7f0.094@ultra-tech.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Roger,

Whats this stuff 'bout rabid ice weasels, Antenna-eating porcupines, =
and SNOW SNAKES!!?? Us poor easterners don't know nothin 'bout them =
critters.

I leave for NM in a week. I think I'm ready! See you soon.

John H. W4IM QRP-L #1691
Stafford, Va.

Date: Tue, 26 Jan 1999 13:01:38 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: John Humphrey <jhumphre@ultra-tech.com>
Cc: qrp-l@lehigh.edu
Subject: [30985] Re: FYBO
Message-ID: <36ADBCB2.6BCB64B0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Snow Snakes are all over the woods in the winter....look just like
little branches from pine trees, but they're frozen stiff. No worries
until spring, :-)

Snowing in the White Mountains now, and will for another day or so.
Then again next week. We just might have a good contest day.

11 days and counting.

--

72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Tue, 26 Jan 1999 14:12:04 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>

To: <qrp-1@lehigh.edu>
Subject: [30986] OK, OK, I give...back to message after message on FYBO
Message-ID: <001e01be4968\$24b32820\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, it would appear that the majority of the sentiment is against my proposal. Phrases like, "Your heart is in the right place, but..." pretty much tell it all, I guess. I'll shut up now, but hey...I tried. If I get a positive response from the vendors, I'll reconsider, but for all of you that emailed me, rest assured that the idea is DEAD. Oh well, nice while it lasted (abt 4 hours)... That's the purpose of open discussion though, I guess...

For all of you who emailed me about what a great kit the SW-40+ is for so cheap - I have one request. Get the word out, will ya? Lots of guys I know are turned-off to HF because the look at hamfests and still can't find anything in their price range (even \$50 is a lot of money to some people...). How about instituting a fund at your club for the purchase of some of these, spend an evening or two building them, then present one to each new HF-licensed ham with the condition that they return it in 3 months, and if there's a new ham at that time they must teach the next guy how to use it. If your club already has loaners, fine. For those that don't it might be a good option. Most clubs should only require a few of these. How about doing it in your area?

You'll probably never hear me say anything on this topic again. Happy now?

Nathan
KB0NNV
Columbia, MO

Date: Tue, 26 Jan 1999 15:32:04 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-1@lehigh.edu
Subject: [30987] Deep discounts/free rigs
Message-ID: <199901262017.PAA22275@moose.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

My take on this is that's it's a wonderfull idea, but...

All hobbies cost money. Some are more expensive than others, but all require some expenditure for equipment, supplies and or tools.

Kits are already a bargain. I doubt if many, if any kit venders can afford to sell them any cheaper, even just to newbies.

The main problem I see is making the new op aware of the kit option. Kit venders can't afford to advertise. The new op gets a glossy catalog from HRO or somebody, and thinks they need to spend a kilobuck or two to get up and running.

Of course, kits do have the minor problem of getting them tested and aligned. A newbie may not have the assembly skills or test equipment needed to make them work.

I see no easy answer. A "Rig Bank" run by a club might be one way. People could donate thier excess rigs and the club distribute them to worthy individuals. It might not be easy to determine if those individuals are indeed worthy and not looking for a free hand out.

If you have a rig surplus to your needs, maybe you could offer it to newbies at a very low cost. Apparently, making the offer on this list is a good start.

All in all, I think helping the newbie with a rig is best done on a one to one bases. Hey, you could even make an offer of a free, cheap or loaner rig on your local repeter, to find some Tech+'s that want to try HF.

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 26 Jan 1999 03:20:46 -0800
From: Lisa Osier <osier@northnet.org>
To: qrp-l@lehigh.edu
Cc: osier@northnet.org
Subject: [30988] 5A1A ON 10 MTRS.....GEORGE N2JNZ/QRP
Message-ID: <36ADA50E.DDB@northnet.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All!!!

10 meters has been hot since CQ WW in October!!!!!!
This morning worked 5A1A with 2 watts and a Ringo vertical up 20 ft!!!!
Solar flux is down but 10 still works fine!!!!.....in the 130s last i
checked...
Cant wait till the flux is over 200.....

73/72s and enjoy 10 meters!!!!!!

GEORGE OSIER , N2JNZ/QRP

Date: Tue, 26 Jan 1999 12:38:59 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: Denton@Bramwell.Org
Cc: qrp-1@lehigh.edu
Subject: [30989] RE: Oscilloscope Suggestions
Message-ID: <19990126203901.17186.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

>>>I am considering purchasing an used oscilloscope for general
alignment and
>trouble-shooting. Are there any suggestions for minimum
specifications and
>features that I should look for?<<
>
>There are some amazingly good deals on oscilloscopes these days. You
can
>get Tek or HP stuff at very attractive prices.

One advantage with Tektronix stuff is that there are many kind and
helpful former Tek employees like Mr. Bramwell. I recently fixed up a
Tektronix 7613 scope which I got for very little. I got a lot of
generous advice and help from various people, including Denton Bramwell.
Although this purchase was a gamble because it was an iffy proposition
whether I would be able to resurrect the scope, I learned a lot along
the way and the manuals for this vintage scope are excellent.

>Get something with about 3-5X the highest frequency you plan to make
>measurements at. Without this, you'll miss most of the "show"... on a
100
>MHz 'scope, a 100 MHz signal with lots of clipping and distortion will
come

>out smooth and nice.
>
>Get one or more 10X probes. These are necessary for preserving
bandwidth to
>the probe tip.
>
>Dual trace is extremely useful. Delayed sweep is also, if you know how
to
>use it.... a lot of people buy it because it sounds good, and then
never use
>it.
>
>Dollar for dollar, a portable style 'scope will give you more
performance
>than a plug in style. When I worked at Tek, we figured that about 85%
of
>all plug-in scopes sold never had their plug-ins changed. However, if
you
>know the value of a good diff amp, or sampling system, a plug-in scope
is
>the way to go.
>
>I've never been too big on storage, but a lot of people like it. If
you're
>doing any "single shot" work, it is very nice. If you're doing all RF
>stuff, forget it.

The 7613 has storage. Mine works in this mode although the tube seems to
have gotten a lot of use by the former USAF owners because some parts of
the screen are more useful than others. So far I haven't had any real
need to turn on the storage.

>There are a lot of good values in Nuts and Volts, and I've gotten good
deals
>from Coppes Electronics, in Bisbee, AZ.
>

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Date: Tue, 26 Jan 1999 14:52:46 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-1@lehigh.edu>
Subject: [30990] Wait just a minute (was: OK, OK, I give...)
Message-ID: <002201be496d\$d41bb0c0\$8dc9ce80@nathan.missouri.edu>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Based on some recent emails, it would appear that the reception isn't quite as bad as I originally supposed it to be. However, I'm getting a little tired of all the negative, so I'm gonna just sit back and watch the discussion evolve. How about all of you I finally heard from that are positive on the idea make your posts to the list and keep things going?

Nathan
KB0NNV
Columbia, MO

Date: Tue, 26 Jan 1999 15:54:47 -0500
From: Ronald McConnell <rcmcc@lucent.com>
To: "'psykey@okcforum.org'" <psykey@okcforum.org>, "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Cc: "'Ronald McConnell'" <rcmcc@lucent.com>
Subject: [30991] RE: Reversing lead-acid battery sulfation
Message-ID: <01BE4944.348D93D0@daystar.amc.bell-labs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, Jim,

If you get any answers that don't go to the qrp-l list, please pass them along to the rest of us. I suspect a lot of us have "dead" lead acid batteries that we can't bring ourselves to toss.

I have 40 or 50 Gates Cyclon cells about D size that have been in the box for several years. I would love to make up battery packs for qrp expeditions, etc. with them. I haven't been able to bring myself to toss them into recycling in the hopes that someone would come up with the answer to the question you asked. I had been procrastinating about asking myself.

All Electronics sells used Cyclon cells on sale for \$2 each.

The new Hawker versions are \$6.30 each cell.
Hawker Energy bought out Gates a few years ago,
resulting in a bunch of the Gates brand
hitting the hamfests like I got mine.

The Hawker Energy page (www.hepi.com)
has some _very_ good info on lead-acid battery charging
(www.hepi.com/lit.htm), but they don't tell you
how to bring a "dead" battery back to life.
Their "Battery Application Handbook" tells everything
else about "live" batteries.
I guess either the "pros" don't do that
or it's not in Hawker's best interest to
tell how to do that. :) Someone
on qrp-l pointed to Hawker a month or two ago.

Maybe we should just ask Hawker?

Cheers, 73,

Ron McConnell, w2iol

Date: Tue, 26 Jan 1999 15:59:39 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [30992] psk31 more or less
Message-ID: <19990126.155939.-115269.1.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

high gang

well I received my first messages using psk31.... couldn't get anyone to
answer my cq but did hear or should I say read the mail on another
qso.... 14069.15

so I'm halfway there... now for the xmtr.... yes boat anchor for the
kayack..... yes... yes

Ize trying
joel in maine psking back to dixie or thereabouts

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 26 Jan 1999 16:10:41 -0400
From: David Maliniak <dmaliniak@penton.com>
To: qrp-1@lehigh.edu
Subject: [30993] Defraying costs of kits, etc.
Message-ID: <36AE213F.36E5C52E@penton.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Nathan and all:

I know of at least one club local to me (Bergen Amateur Radio Club, Bergen County, NJ) that *used* to offer to split the cost of kits with members up to a certain price. I don't remember the specifics. Not sure if that's still the case... any BARA members on the list? Mind you, I'm not a BARA member and never have been, but I did head over one night a year or two ago when they were having a series of "kit-building nights" at a local high school. A bunch of the guys were, at that time, building SW-40s, I think. I showed up with a bag full of rigs like my Sierra and Cascade for show and tell. We had a good time and there were a couple of young folks building at that time as well.

So my point is that perhaps this idea could be considered by *your* local clubs. It's one way to defray the cost of kits for young people, Tech+ or Novice licensees, or what have you who need a boost to get on the air.

72, David N2SMH
Glen Rock, NJ

Date: Tue, 26 Jan 1999 16:22:25 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Richard Brummer <obvious@bestweb.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30994] Re: Re Atlanticon
Message-ID: <Pine.GS0.3.96.990126161938.29554D-100000@larry.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>With maybe a little help from "Pacificon" ?

Actually, I am waiting to be invited to speak at Carribeancon (or even to be silent at Carribeancon).

-73-

LB, W4RNL

Date: Tue, 26 Jan 1999 21:34:59 +0000
From: "Caitlyn M. Martin" <cait.martin@ibm.net>
To: qrp-1@Lehigh.EDU, vhf@w6yx.stanford.edu, ve9aa@nbnet.nb.ca
Subject: [30995] To VE9AA and the owner of the FT-301S who wrote me some time ago...
Message-ID: <36AE3503.8F373F03@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, everyone,

I just listed my Tokyo HyPower HX-240 for sale for the second time. The first time I was offered to make a trade for a Yaesu FT-301S, which I turned down. I am willing to reconsider working something out, if that gentleman is interested. To Mike, VE9AA, to whom I told I wouldn't accept *any* trade: I have changed my mind. I would take a good, working, 10 watt (or less) HF rig. I need it to work independently of my FT-290R, which I have already sold, and the HX-240 cannot do that, of course.

The whole idea has been to reduce my ham shack to a minimum to help mitigate some rather large medical expenses I am facing at a time when I am not working. I would like to keep an absolutely minimal shack, in effect starting over, but remaining on the air QRP on HF, and maybe VHF if I can manage it. So yes, I am trying to get cash, but something like an FT-7, TenTec Argonaut 509 (with calibrator), or the like would be most appreciated.

Thanks for tolerating the extra bandwidth...

73/72,
Caity
KU4QD

Date: Tue, 26 Jan 1999 15:45:09 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [30996] Anyone willing to elmer me a bit?
Message-ID: <199901262145.PAA02029x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Hi gang! Let's pretend that I have a Six Pack transmitter and receiver kit that I have the opportunity to build and hopefully use for a bit before returning it for others to use. The transmitter would be no problem to get going, but the receiver would need an oscillator circuit and an audio amp-stage for it to be a complete little setup. Is there anyone on the list that could help me finish the receiver part of this project?

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 26 Jan 1999 16:48:45 EST
From: Bigbob97@aol.com
To: QRP-L@Lehigh.edu
Subject: [30997] VFO taming
Message-ID: <b6ef0dec.36ae383d@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Friends!

I have a VFO which tunes 160, 80 and 40 in a heterodyne Rx with a 5MHz IF. The

VFO freqs are 7, 9 and 12 MHz. The arrangement is a Colpitts oscillator with varactor tuning and three different coils - one for each band. Currently the system involves a front panel switch which connects the proper coil to the oscillator circuit.

My question is this: after reading the W1FB QRP book I was wondering if it would be a good idea to connect all three coils to the oscillator circuit at once and then selectively ground one or another of the coils with diode switching. Two back to back 1N914s with 12 volts. The only disadvantage of this that I see is that diode switching consumes power. However, in this project I am not concerned with power loss. I thought diode switching would provide mechanical stability and solve some start up problems I am having with the circuit. Also, I have always been mystified by diode switching and think it's cool and would like to try it in a project!

Thanks for whatever experieces or advice you can relate. 73,

Bob WB2DHK in Jersey City, NJ

Date: Tue, 26 Jan 1999 12:57:14 -0900
From: Bruce Hopkins - KL7H <kl7h@eagle.ptialaska.net>
To: cebik@utkux.utcc.utk.edu
Cc: qrp-1@lehigh.edu
Subject: [30998] Re: Re Atlanticon
Message-ID: <v03007801b2d3e7aecd05@[208.151.118.172]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

LB...

I am going to be speaking & working at Bahamacon during March, perhaps you would care to join me for a "Warm Up" session ??? Could sure use some muscle installing the air-conditioner, backup generator, and new vertical... 8^)

I keep looking at the dates for Atlanticon, and I am trying to figure out a way to get back stateside to be there... Now that would be a switch, I don't make CA or OH from AK but do make it out to the east coast for Atlanticon... Hummm, going to be in that part of the globe anyway...

Take care and have fun... For those needing C6A 2XQRP, I will be there probably for most of March... I'll post firm dates once I know them...

>Actually, I am waiting to be invited to speak at Carribeancon (or even to >be silent at Carribeancon).

>
>-73-
>
>LB, W4RNL

72 / 73 / oo's - Bruce - KL7H
Fairbanks, Alaska

"Alaska QRP Club" - Web Site: <http://www.ptialaska.net/~bhopkins/akqrp>
- 10 Meter Beacon: 28.2825 +/- KL7AQC / BCN

Date: Tue, 26 Jan 1999 17:57:20
From: Ben Pooley <bpooley@bar.auracom.com>
To: qrp-1@lehigh.edu
Subject: [30999] re: Homebrew metal cutting
Message-ID: <3.0.6.16.19990126175720.29eff7ac@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Years ago in England I used "Abrafiles" for cutting metal.
The Abrafile is a thin (about 1/16 in dia) round file designed
to be mounted under tension in a hacksaw frame. They can cut
in all directions. Very handy for odd shaped holes.

I haven't seen them since I last lived in G-land 30+ yrs ago.

Has anyone seen these or know if they are still available?

73, Ben VE1AHX

Ben Pooley, Allendale Electronics Ltd, RR1 Lockeport NS Canada B0T 1L0
bpooley@bar.auracom.com ve1ahx@rac.ca www.trico.ns.ca/smtassy

Date: Tue, 26 Jan 1999 17:29:51 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [31000] QPSK with PSK31
Message-ID: <19990126.172959.-74919.0.n3aaz-qrp@juno.com>

MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hay Gang

QPSK, no problem.

Jump to the MODE icon and give QPSK a try, it works too! The distant station knows you are QPSK (he can tell by the "eye" pattern above his "waterfall" display).

I am convinced this PSK31 and it's software is real GENUINE weak signal stuff.

An experience I must share...while "reading the mail" between a VE3 and a G3, I could not hear (with my ear and I am a CW op) the G3 (except to tell he was in there) but had 50 to 75 percent PRINT on him, after they went sk the VE3 and I had a very nice chat.

QRM has less effect T00, during several QSOs, my contact has been in the background under other digital modes and I still have from 95 to 100 percent PRINT. I have yet to use any filtering on the IC-706 in this PSK31 mode.

There is more! Several stations have dropped their power after finding out I was QRP and very surprised to find out I still had SOLID PRINT on them!!

John
N3AAZ
FM19xb
.

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or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 26 Jan 1999 18:34:35 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Ben Pooley <bpooley@bar.auracom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31001] re: Homebrew metal cutting

Message-ID: <Pine.LNX.3.93.990126182909.781R-1000000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Jan 1999, Ben Pooley wrote:

> Years ago in England I used "Abrafiles" for cutting metal.
> Has anyone seen these or know if they are still available?

Got some of these at Sears a few years back. It was a wire coated with carbide? carbarundum? really hard sharp stuff:) and fit in a hacksaw. One blade per "tube" and in the *NOT CHEAP* section of tools. Very nice for cutting in places you can't reach, and a real bugger to cut a straight line with. No idea what Sears called 'em, and the package is long gone...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 26 Jan 1999 17:29:47 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31002] Re: Homebrew metal cutting
Message-ID: <015101be497b\$61ea4260\$8805010a@myetsko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Not as such, but they do sell what looks like a thick wire with washers on either end to hold it in a hacksaw, and the wire is embeded with very coarse carbide chunks.

Makes a coarse cut, but it will cut old Coke bottles in half.

Mike Yetsko
N1DVJ

>Years ago in England I used "Abrafiles" for cutting metal.
>The Abrafile is a thin (about 1/16 in dia) round file designed
>to be mounted under tension in a hacksaw frame. They can cut
>in all directions. Very handy for odd shaped holes.
>

>I haven't seen them since I last lived in G-land 30+ yrs ago.
>
>Has anyone seen these or know if they are still available?
>
>73, Ben VE1AHX

Date: Tue, 26 Jan 1999 15:15:01 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Roger Hightower <n7kt@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31003] Re: Need money to buy a kit?
Message-ID: <Pine.SOL.3.96.990126151102.22585B-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 26 Jan 1999, Roger Hightower wrote:

> Here's how to get it:
>
> If you smoke, QUIT and save the \$\$ for a month. You can buy almost any
> kit for that amount.
>

Years ago in Idaho I did just that. I took my \$25 each pay check
and just stopped buying cig's. As the cost of cig's has gone up
so has my "cig" money. It's now at \$50 every two weeks. And I
hope they put more tax on it so I have an excuse to raise it
some more!!

I have bought guns, radios, reloading equipment and etc without
touching any household money.

Plus it might even make me live longer and make more people mad!

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 26 Jan 1999 18:24:15 -0500
From: Russ Hines <radioruss@fuse.net>
To: cebik@utkux.utcc.utk.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31004] Re: Re Atlanticon
Message-ID: <36AE4E9F.395CA2CE@fuse.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Drive up here to Cincinnati, and we can do "MidAmericon." Snow's all gone!
;-)

L. B. Cebik wrote:

>
> >With maybe a little help from "Pacificon" ?
>
> Actually, I am waiting to be invited to speak at Carribeancon (or even to
> be silent at Carribeancon).
>
> -73-
>
> LB, W4RNL

Date: Tue, 26 Jan 1999 18:39:17 EST
From: K2UD@aol.com
To: qrp-1@Lehigh.EDU
Subject: [31005] Cutting holes in metal
Message-ID: <62b20497.36ae5225@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

If you spend a great deal of time making holes in equipment, and quit smoking/drinking/girls to save money, it might make sense to purchase a chassis hole punch set from Roper-Whitney. It comes with various size punch/dies, and will "reach" about 4-5 inches from the edge of a panel.

A larger punch from them will allow the use of larger holes, and has a longer "reach". I use it for those elusive 1/4" phone jack holes that never seem to end up in the exact place you wanted to put them. All their punches have indexing "tits" (sorry, machinist jargon, really) so the holes go where you

want them after marking them with a spring loaded punch awl. The holes these punch are really clean!

They are not inexpensive, but like I say, if you do a lot of punching and like quality enclosures, this may be for you. Otherwise, find a more well-heeled builder and explain that he really must have one of these. Then you can borrow it a lot!

72 all,

Howard Kraus, K2UD

End of QRP-L Digest 1348
